



INSTALLATION & SET-UP MANUAL

**MEC70 / 75 / 76
MAG-STRIPE ENTRY STATION**

Subject To Technical Modifications and updates



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MEC707

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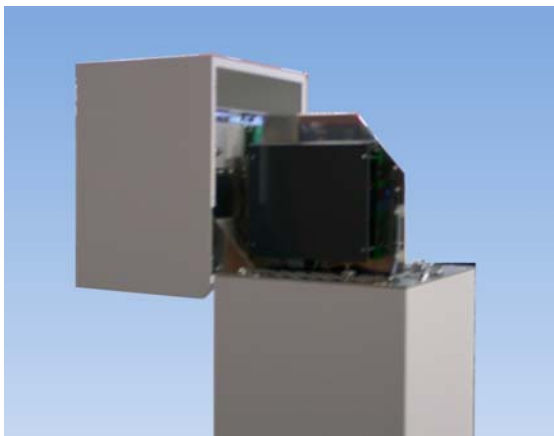
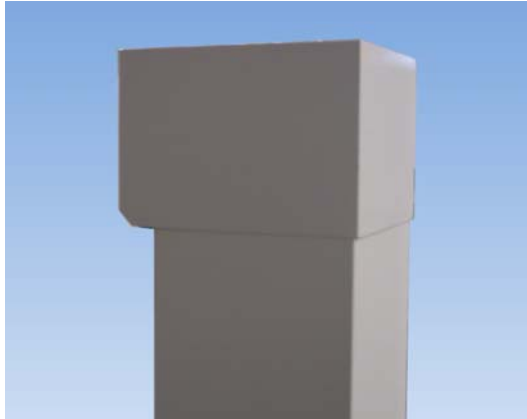
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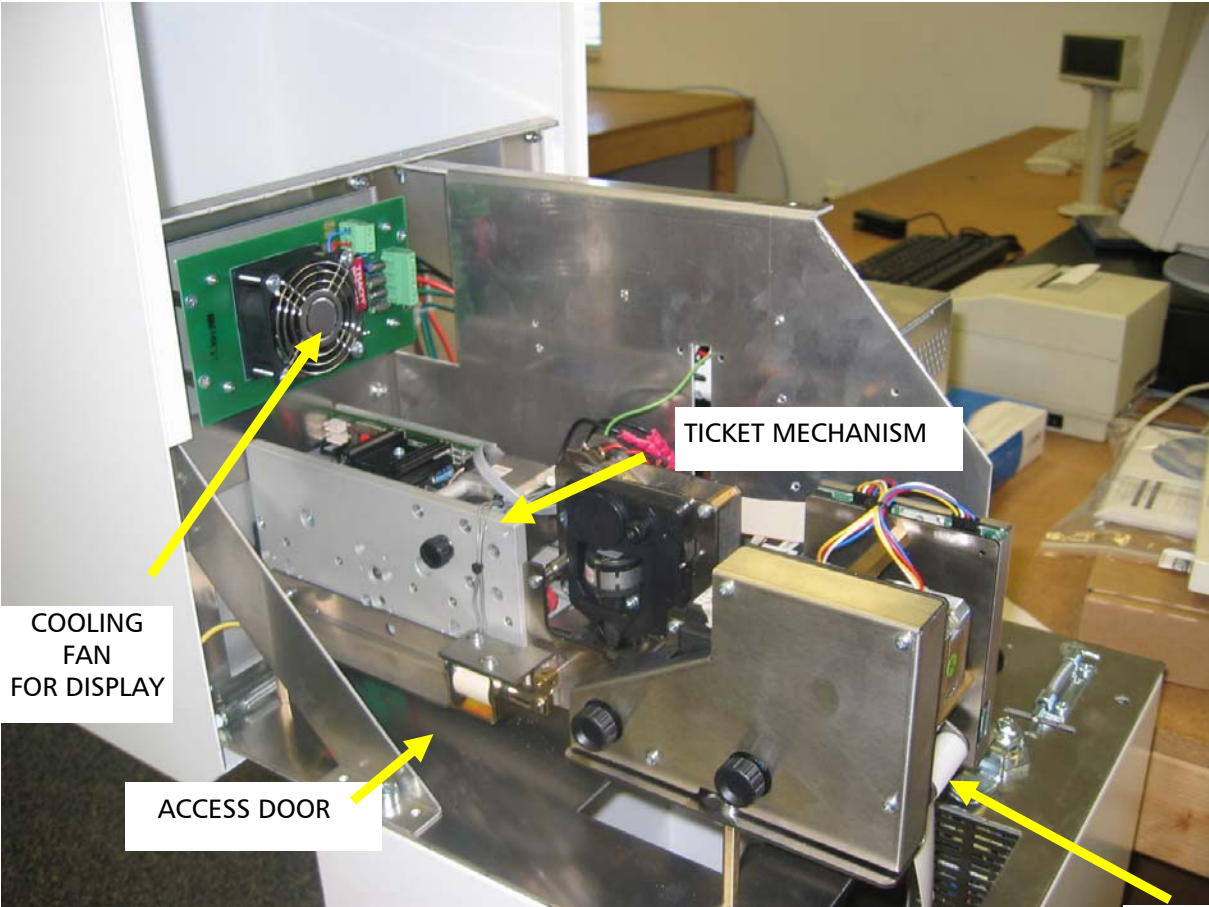
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MAG-STRIPE ENTRY STATION**

Accessing the Top



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THE TICKET HEAD



TICKET Insertion/Feed

INSERTING TICKET STOCK:

To insert tickets into the mag-stripe ticket head, place the leading edge of the ticket stock in between the rollers.

Slowly feed the ticket stock into the ticket head, the unit will detect the stock and auto aligns the starting ticket.

NOTE: Make sure that the mag-stripe on the ticket is down and to the left side of the feed mechanism.

TICKET STOCK
(Mag-Stripe Down
and to left side)

HOUSING COMPONENTS

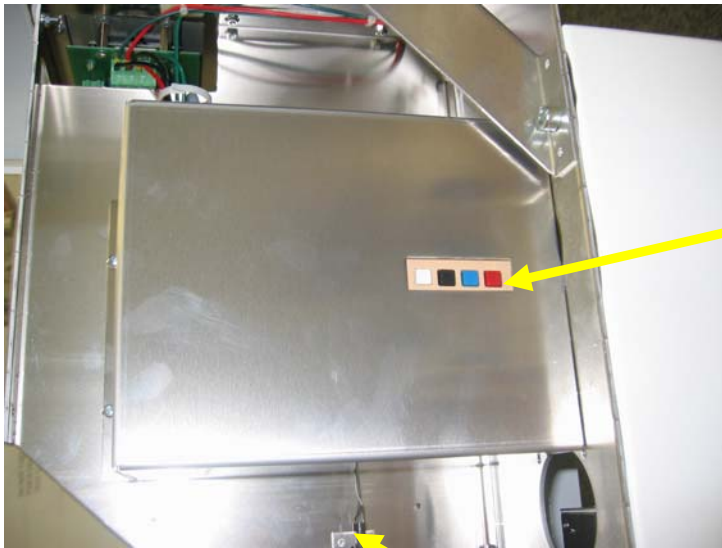


FAN FOLD TICKET STOCK
(up to 6000 PER BOX)



Wiring terminal Cover

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MRC50 Programming Buttons

RESET SWITCH

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INTERNAL HOUSING COMPONENTS

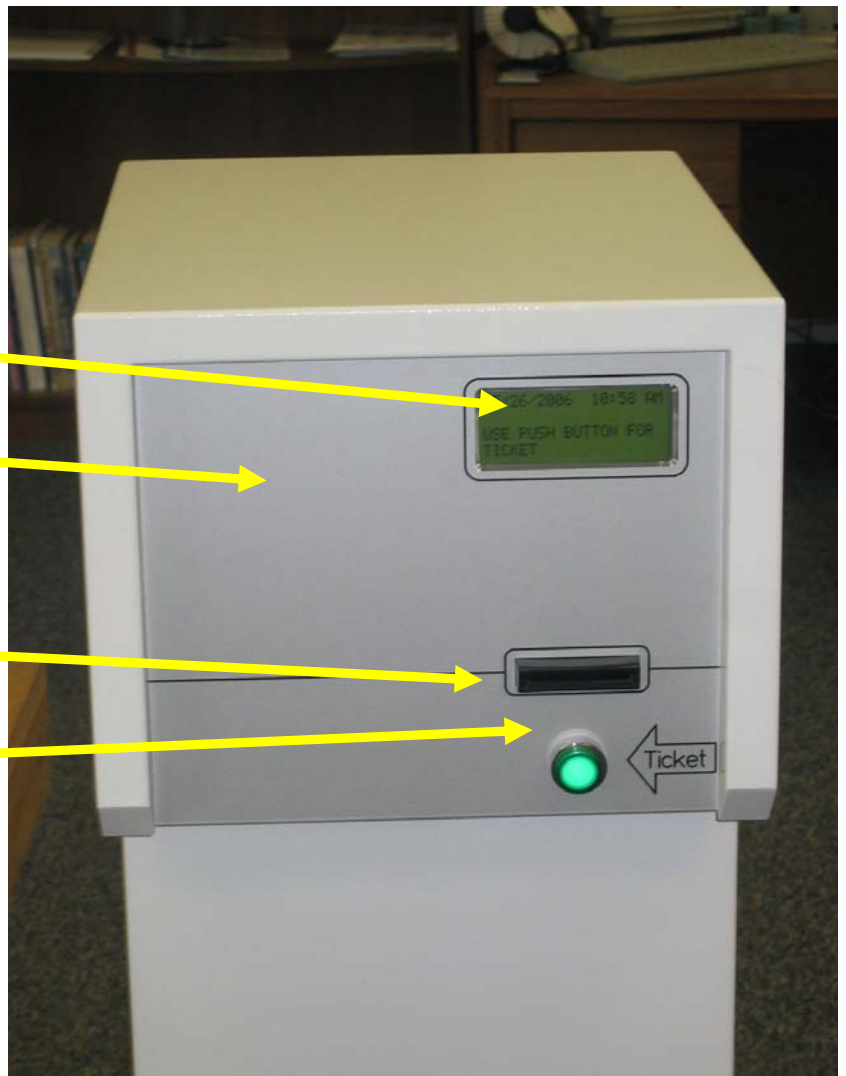
MEC70 FRONT FACE PLATE

MULTI - LINE BACK-LIT LCD DISPLAY

RESERVED SPACE FOR ACCESSORIES
(ie – ACCESS READER, SPEAKER)

TICKET ISSUE / INSERTION SLOT

TICKET ISSUE BUTTON





**MEC70/75/76
MAG-STRIPE ENTRY STATION
INSTALLATION**



MEC7* MAGNETIC STRIPE ENTRY STATION

1.0 INSTALLATION

1.1 GUIDELINES FOR FOUNDATION

Please refer to the following attached documents for foundation guidelines:

Document Number	Document Subject
MM 5115 / 95 US	Guidelines for Foundations
MM 5117 / 95 US	Loop installation instructions
MM 5111 / 94 US	Entry / Exit Lane Examples

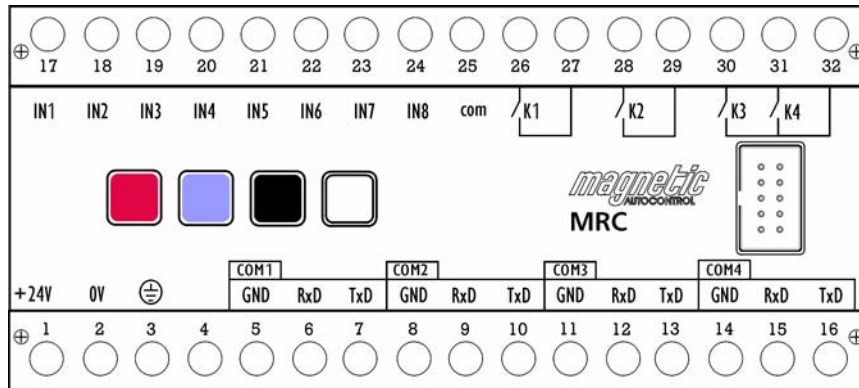
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2.0 MULTIFUNCTION CONTROLLER

2.1 FUNCTIONALITY OF MRC50E-100 MULTIFUNCTION CONTROLLER

The MRC50 controller is a microprocessor controlled multifunction unit. The control voltage is rated maximum 24v @1A. The controller has 8 inputs [IN1 through IN8 (24vDC)] and 4 potential free Normally Open relay outputs [K1 through K4].

The controller is also equipped with four RS232 COM ports [COM1 through COM4] for communication with the display and ticket mechanism. Programming of the MRC50 controller is performed using the four color-coded programming buttons. The buttons are used to configure a variety of controller options allowing the MEC70 Entry Station to be individually configured for a high variety of installation requirements. The user can view the different settings in real-time on the LCD display located on the front of the MEC70 housing.



Note: The inputs are controlled by the 24vDC – control voltage from the MRC50 controller. Additional terminal blocks are provided for convenience installation.

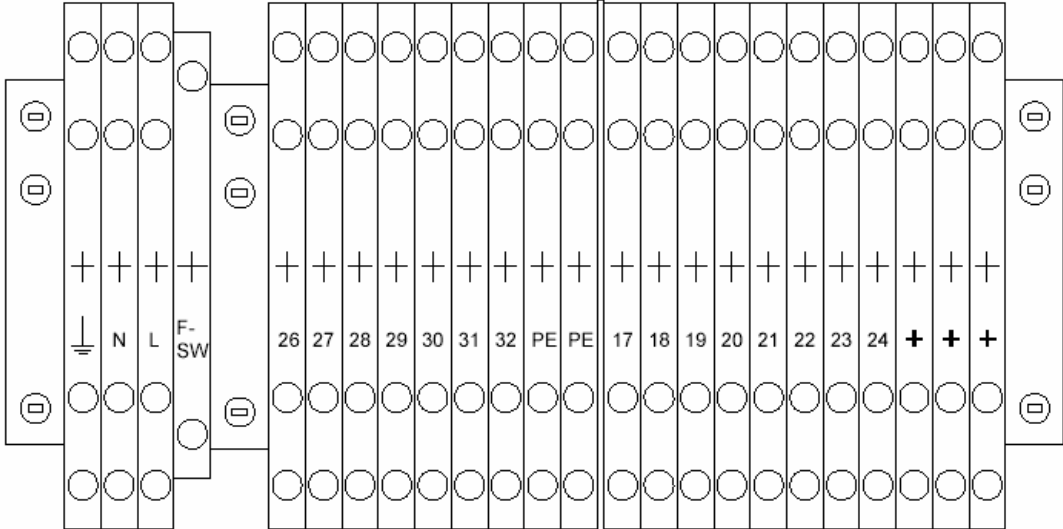
IMPORTANT

Relay contacts are rated 24V @1A maximum. Do NOT attach voltages greater than 24V otherwise the MRC50 controller can be damaged!

Note:

For security, reason the MRC50 controller is not accessible from the access door. The MRC 50 controller is located below the top hood and is covered by a protective housing, which allows authorized users to change the settings using the exposed programming buttons (see pictures above for exact location, page 11). In order to hard wire the MEC, it comes with a set of input and output terminals located in the base housing. In order to access those terminals another protective cover has to be removed (see picture page 10). The terminals are numbered and represent the exact same inputs and outputs as the MRC50. Following is a diagram of the terminals:

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Wiring Terminals

Protective Cover

MEC7* MAGNETIC STRIPE ENTRY STATION



Figure 1 : MRC50 Controller Diagram

MRC50 DATA SHEET		
GENERAL	OPERATING VOLTAGE CURRENT CONSUMPTION OPERATING TEMPERATURE STORAGE TEMPERATURE	22v \Rightarrow 27v DC MAX 185mA @ 24v DC 0° \Rightarrow +55° C (32° \Rightarrow +131° F) -10° \Rightarrow +70° C (14° \Rightarrow +158° F)
DIGITAL INPUTS	NUMBER OPERATING VOLTAGE INPUT CURRENT INPUT PULSE LENGTH	8 12v \Rightarrow 30v DC 10m A @ 24v DC ?? ms
RELAY OUTPUTS	NUMBER VOLTAGE RANGE CURRENT RANGE	4 5v \Rightarrow 24v DC 5m A \Rightarrow 1 A
COM PORTS	NUMBER	4 (RS232)

MEC7* MAGNETIC STRIPE ENTRY STATION

2.2 PROGRAMMING BUTTONS

The MRC50 multifunction controller is provided with four(4) color coded buttons for programming the entry station configuration settings:

Index	System Edit Menu
1	Language
2	Identify / Maintenance
3	Equipment
4	Date & Time
5	Control
6	Ticket & Card
7	Digital Input
8	Relay Outputs
9	TTL Output (Not currently available)

The four buttons are color coded and are located on the top of the MRC50 controller enclosure, the button functional definition is the following:

Button	Function
Red	Enter / Exit controller edit mode
	Exit current sub-menu and return to previous menu
Blue	Decrease value or move cursor to the left
Black	Increase value or move cursor to the right
White	Enter value or save setting



RED KEY: Press this button once to get into the system edit (programming) mode.



BLUE KEY: Allows the user to scroll to previous setting; also used to decrease a value setting.



BLACK KEY: Allows the user to scroll to next setting; also used to increase a value setting.



WHITE KEY: Allows the user to select menu options; also used to save changes.



MEC7* MAGNETIC STRIPE ENTRY STATION

3.0 MENU OPTION:

3.1 LANGUAGE OPTION:

DISPLAY MESSAGE: 1 LANGUAGE

The MEC70 has bilingual language feature. It can be programmed for up to six languages, English (default), German, French, Italian, Spanish, and Portuguese.

3.1.1 LANGUAGE OPTION 1

DISPLAY MESSAGE: 1 OPTION 1

Language option one (1) is the main user interface language for MEC70N, user messages and editor instructions. This setting is selectable optional languages are listed in section 3.1 above.

Default: English (selectable).

3.1.2 LANGUAGE OPTION 2

DISPLAY MESSAGE: 2 OPTION 2

Option two (2) let you select a second language for bilingual customer message display. MEC70N allows switching between two (2) different languages, in an adjustable time frame, sequentially on the user messages mode. This setting is selectable optional languages are listed in section 3.1 above.

Default setting: English (if a second language is not specified).

3.1.3 BILINGUAL TIMER

DISPLAY MESSAGE: 3 BILINGUAL TIMER

The bilingual timer allows you to set the sequential timer in which the display shows the two (2)-selected languages. The display will then switch between the languages within the selected time. The timing can be set to zero, one and half, two, two and half, and three seconds. The zero second timing is single language only. If the language option 1 and 2 are the same, the bilingual timer will automatically switch to single language only.

Default setting: English (selectable). (See example below / next page)

EXAMPLE (Settings: Bilingual Language [English & German] timer set for 2 seconds)		
ACTION PERFORMED	RESULT	DISPLAY MESSAGE
(1) Press RED KEY	Unit is in ticket issue mode; Display will change into programming (System Edit) mode.	SYSTEM EDIT MODE 01. LANGUAGE
(2) Press WHITE KEY	Enter first Language option	LANGUAGE 01. OPTION 1
(3) Press BLACK KEY	Scroll though available languages; select ENGLISH as Language Option 1 (Also this will be the default language for all programming menus).	OPTION 1 ENGLISH
(4) Press WHITE KEY	This selects ENGLISH as the default language	OPTION 1 ENGLISH
(5) Press WHITE KEY	Save the currently selected language for option 1	CANCEL: RED KEY SAVE: WHITE KEY
	Once saved the MEC70 will return to Language Option 1 Menu Screen	LANGUAGE 01. OPTION 1
(6) Press BLACK KEY Y	Displays the next menu; Language Option 2	LANGUAGE 02. OPTION 2



EXAMPLE (Cont.) (Settings: Bilingual Language [English & German] timer set for 2 seconds)		
ACTION PERFORMED	RESULT	DISPLAY MESSAGE
(7) Press WHITE KEY	Enter second Language option menu. This will show the default language or the last language that was set for this menu.	OPTION 2 ENGLISH
(8) Press BLACK KEY	Scroll through available languages; select GERMAN as Language Option 2. (This is the second language that will be displayed for the customer).	OPTION 2 GERMAN
(9) Press WHITE KEY	This selects GERMAN as the option 2 language	OPTION 2 GERMAN
(10) Press WHITE KEY	Save the currently selected language for option 2	CANCEL: RED KEY SAVE: WHITE KEY
	Once saved the MEC70 will return to Language Option 2 Menu Screen	LANGUAGE 02. OPTION 2
(11) Press BLACK KEY	Displays the next menu; BILINGUAL TIMER	LANGUAGE 03.BILINGUAL TIMER
(12) Press WHITE KEY	Enter bilingual timer option menu. This will show the default or the last timer that was set for this menu	BILINGUAL TIMER SINGLE LANGUAGE
(13) Press BLACK KEY	Scroll though available timer increments; select 2.0 seconds	BILINGUAL TIMER 2.0 SECONDS
(14) Press WHITE KEY	This selects 2 seconds as the amount of time before the display changes between the selected languages	BILINGUAL TIMER 2.0 SECONDS
(15) Press WHITE KEY	Save the currently bilingual timer increment	CANCEL: RED KEY SAVE: WHITE KEY
	Once saved the MEC70 will return to Bilingual Timer menu	LANGUAGE 03.BILINGUAL TIMER
(16) Press RED KEY	Returns to the Previous Main Menu Screen	SYSTEM EDIT MODE 01. LANGUAGE
(17) Press RED KEY	Exit System Edit Mode return to Ticket Issue Mode. MEC70 will now use the "new" bilingual language / timer settings	01/01/2000 11:00AM USE PUSH BUTTON OR INSERT TICKET

3.2 IDENTIFICATION/MAINTENANCE

This menu option is to set-up the station identification number, garage or site identification number, software version number (Manufacturer pre-set), error codes and ticket mechanism counter.

3.2.1 STATION NUMBER

DISPLAY MESSAGE: 1 STATION NUMBER

A station number is an entry lane identifier to represent unique entry lane identification in the parking revenue system. The station ID can be set from 1 to 16.

Default setting: 1

3.2.2 GARAGE NUMBER

DISPLAY MESSAGE: 2 GARAGE NUMBER

A garage or site number is a parking facility identifier to represent unique parking area identification in the parking revenue system. The station ID can be set from 1 to 32.

Default setting: 1



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3.2.3 SOFTWARE VERSION

DISPLAY MESSAGE: 3 SOFTWARE VERSION

Display of currently installed Software version number.

3.2.4 MAGNETIC-PASS COUNTER

DISPLAY MESSAGE: 4 MAGNETIC HEAD

This feature counts all reads and writes of the magnetic-stripe head and increments the count by three (3) for each ticket requested (read, write and verification). In case of "VOID"-tickets the counter will increment by four (4).

This is a non-resetable counter

3.2.5 RESET MAGNETIC-PASS COUNTER

DISPLAY MESSAGE: 5 RESET HEAD PASS

This feature counts all reads and writes of the magnetic-stripe head and increments the count by three (3) for each ticket requested (read, write and verification). In case of "VOID"-tickets the counter will increment by four (4). Maintenance can be scheduled by using one of the free outputs (K2-K4). A relay contact will close when 300,000 tickets have been processed.

This counter is re-setable.

3.2.6 TICKET-CUT COUNTER

DISPLAY MESSAGE: 6 TICKET CUT

This counter shows how many ticket cuts have been done with the mag-stripe ticket mechanism.

This is a non-resetable counter

3.2.7 RESET TICKET-CUT COUNTER

DISPLAY MESSAGE: 7 RESET TICKET CUT

When ticket-cut counter is passed the 300,000 cuts, a relay output (K2-K4) can be programmed to issue a maintenance reminder.

This counter is resetable.

3.2.8 TICKET-PRINT COUNTER

DISPLAY MESSAGE: 8 TICKET PRINT

This counter shows how many tickets have been printed with the currently installed magnetic-stripe ticket mechanism.

This is a non-resetable counter

3.2.9 RESET TICKET-PRINT COUNTER

DISPLAY MESSAGE: 9 RESET INK PRINT

This counter can be set to issue a maintenance remainder output (K2-K4) when the expected lifetime (11,000 tickets) of the Inkjet printer has been reached.

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3.2.10 ERROR CODE

DISPLAY MESSAGE: 10 ERROR CODE

MRC50 records the last error that occurred during operation. The error code can be viewed in this menu option. This read only error code can help the user to diagnose and solve problems quickly and easily. If multiple errors occurred the user can recheck the menu option to see what other malfunction occurred.

Error Code	Description
0	No error
1	Message parameters are incorrect when TIM received
4	Execution is impossible
5	Transmission error, check RS232 from controller to head
10	Ticket/Card jammed
13	Ticket too long
14	Ticket too short
16	Ticket is not in expected position
17	Paper jammed in distributor device
19	Hardware error
20	Magnetic head decoding error
21	Magnetic head verified unknown code
23	No data on all tracks read
24	Verify error
27	Power supply error
28	Ticket insertion error
30	No more paper stock
31	Ticket-Parking position error
32	Unidentified error
33	C4 position error
34	C1 position error
35	Hardware error, no processors communication
50	Mag-stripe head off-line
51	Maintenance required for magnetic head
52	Maintenance required for ticket cutter
53	Maintenance required for printer

MEC7* MAGNETIC STRIPE ENTRY STATION

3.3 EQUIPMENT:

DISPLAY MESSAGE: 3 EQUIPMENT

With the help of this menu, the MEC70 Entry Station can be set to the individual requirements and settings for the installation.

3.3.1 LOOP OPTION:

DISPLAY MESSAGE: 1 LOOP OPTION

The MEC70 Magnetic-Stripe Entry Station supports a flexible loop configuration from “no-loop” to “three-loop” installations. This setup covers a variety of different installations.

LOOP DEFINITION:

Loop	Description
A	Back-out loop
	Location: First loop in three-loops setup (Arming-Back-out loop)
	Not used in two-loop setup
B	Input: IN1 MRC50- controller
	Presence loop (Arming loop)
	Location: Second loop in three-loops setup (Arming-Back-out loop)
C	Location: First loop in two-loop setup (Arming loop)
	Input: IN2 MRC50- controller
	Safety loop (Reset loop)
	Location: Third loop in three-loop setup
	Location: Second loop in two-loop setup
	Input: IN3 MRC50- controller

Note: See Appendix B for additional information.

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3.3.1.1 NO LOOP:

DISPLAY MESSAGE: NO LOOP

At installations without presence (arming) loop the MEC70 can be set to issue tickets every time the ticket request button is pushed. User can select either with back-out timer or without back-out timer. When selected with back-out timer, ticket will be sucked back and voided after time out. Without having back-out timer, ticket will stay in the mouth forever until being pulled. (For wiring, see Figure 3)

Function	Support
Reset by safety loop	Yes
Back-out Timer	Yes
Issued By Button	Yes
Issued By Loop	No

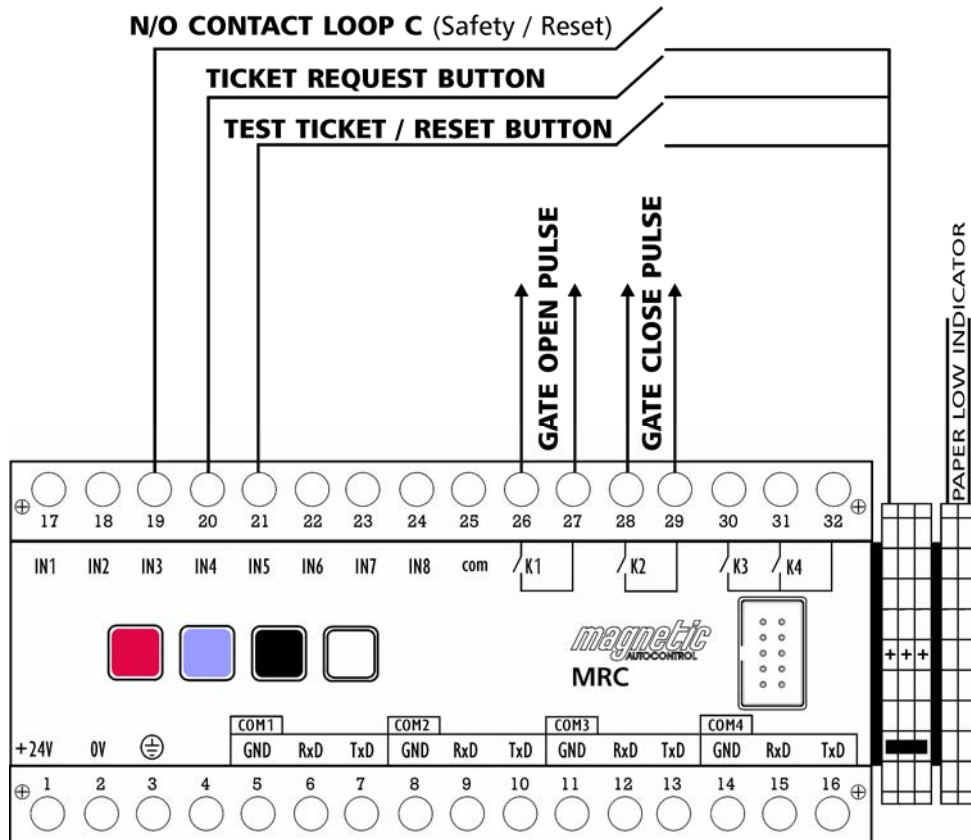


Figure 2: MRC50 "No Loop" Wiring Diagram

Note: See Appendix B for additional information.

Note:

For security, reason the MRC50 controller is not accessible from the access door. The MRC 50 controller is located below the top hood and is covered by a protective housing, which allows authorized users to change the settings using the exposed programming buttons (see

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3.3.1.2 TWO LOOP FAR:

DISPLAY MESSAGE: TWO LOOP FAR

This setting should be used if the presence loop and the safety/closing loop are more than one car-length apart (i.e. - an averaged size vehicle cannot be on both loops at the same time). (For wiring see Figure 4)

Function	Support
Reset by safety loop	Yes
Back-out Timer	Yes (Setting Required)
Issued By Button	Yes
Issued By Loop	Yes
Illegal Entry	No
Illegal Exit	No
Back-out	No (On-line Version Only)
Stolen Ticket	No (On-line Version Only)
Void Ticket	Yes
Cannot issue ticket when safety loop is on	Yes

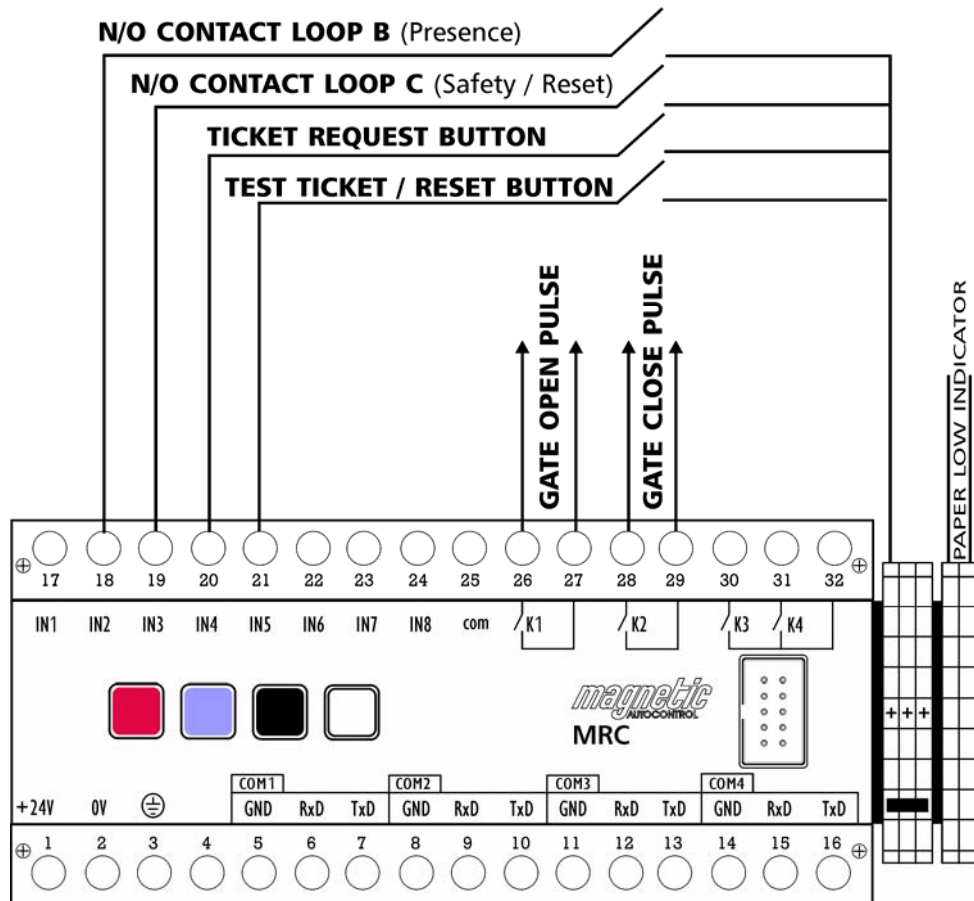


Figure 3: MRC50 "2 Loop Far" Wiring Diagram

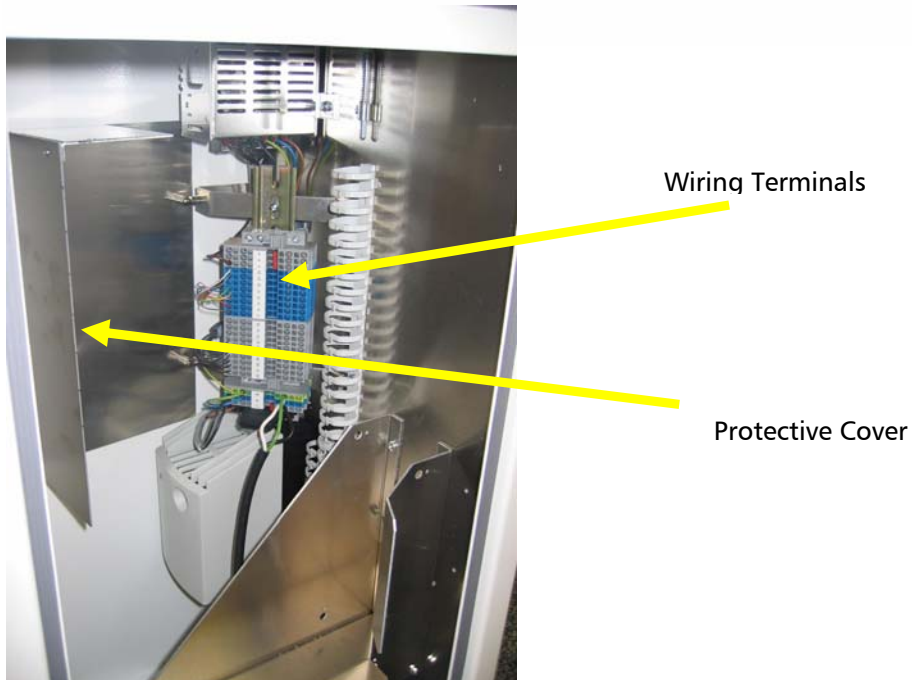
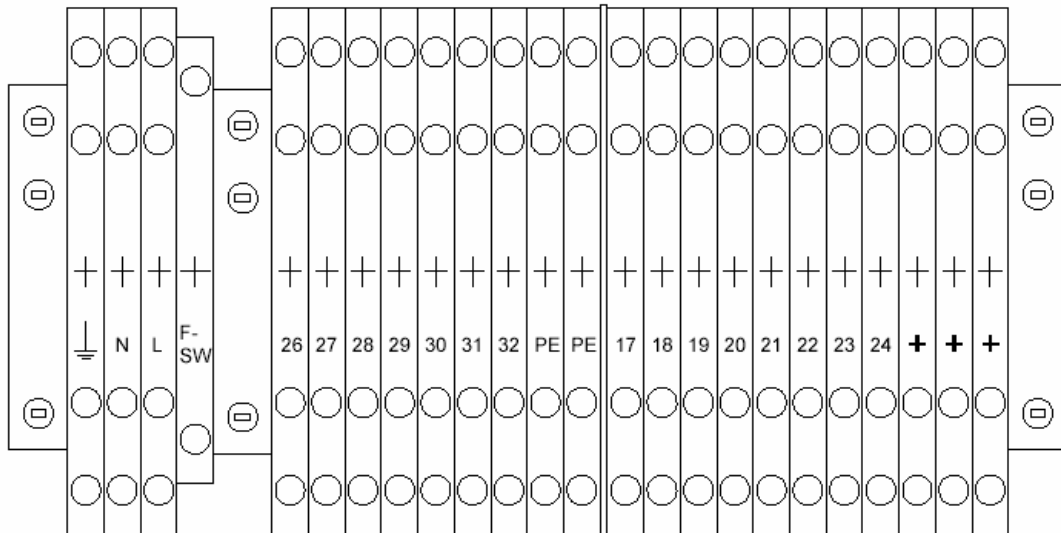
Note:

Note: See Appendix B for additional information.

For security, reason the MRC50 controller is not accessible from the access door. The MRC 50 controller is located below the top hood and is covered by a protective housing, which allows authorized users to

MEC7* MAGNETIC STRIPE ENTRY STATION

change the settings using the exposed programming buttons (see pictures above for exact location, page 11). In order to hard wire the MEC, it comes with a set of input and output terminals located in the base housing. In order to access those terminals another protective cover has to be removed (see picture page 10). The terminals are numbered and represent the exact same inputs and outputs as the MRC50. Following is a diagram of the terminals:



MEC7* MAGNETIC STRIPE ENTRY STATION

3.3.1.3 TWO LOOP CLOSE:

DISPLAY MESSAGE: TWO LOOP CLOSE

This setting should be used if the presence loop and the safety/closing loop are less than one car-length apart (i.e.- an averaged size vehicle must be on both loops at the same time).

The MEC70 controls both loops, arming and safety, and uses the individually occurred inputs to detect which way the vehicle enters the car park. This logic can detect illegal entries and exit, and back-outs. (For wiring see Figure 5)

Function	Support
Reset by safety loop	Yes
Back-out Timer	Yes (Setting Required)
Issued By Button	Yes
Issued By Loop	Yes
Illegal Entry	No (On-line Version Only)
Illegal Exit	No (On-line Version Only)
Back-out	No (On-line Version Only)
Stolen Ticket	No (On-line Version Only)
Void Ticket	Yes
Cannot issue ticket when safety loop is on	Yes

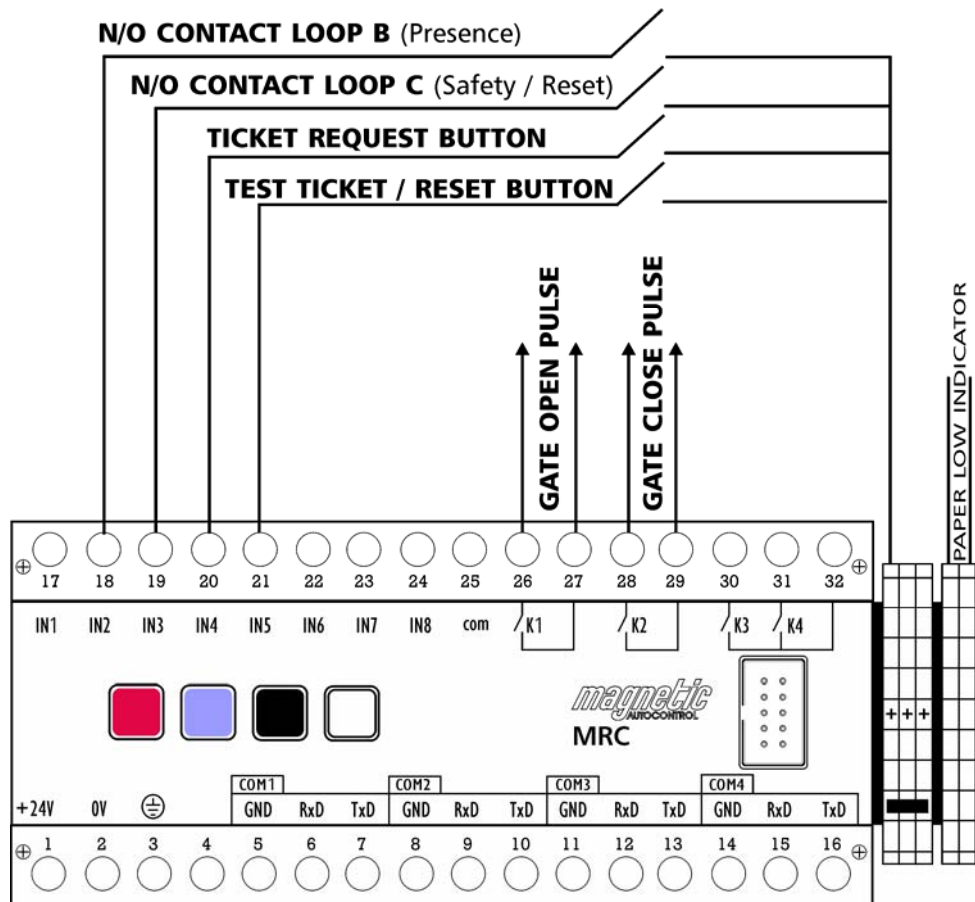


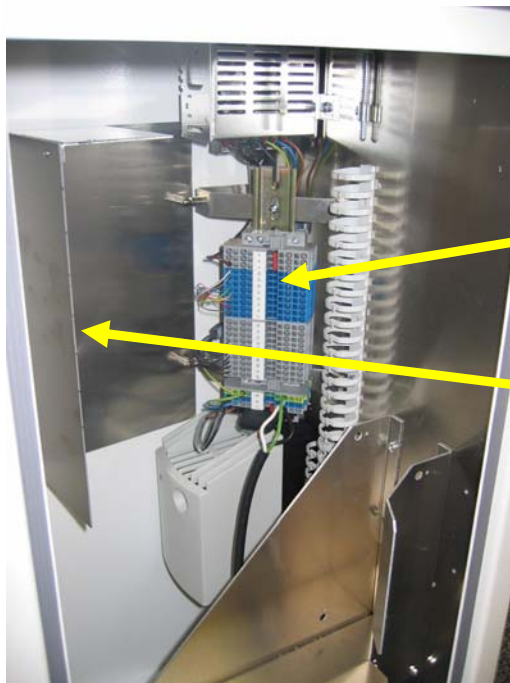
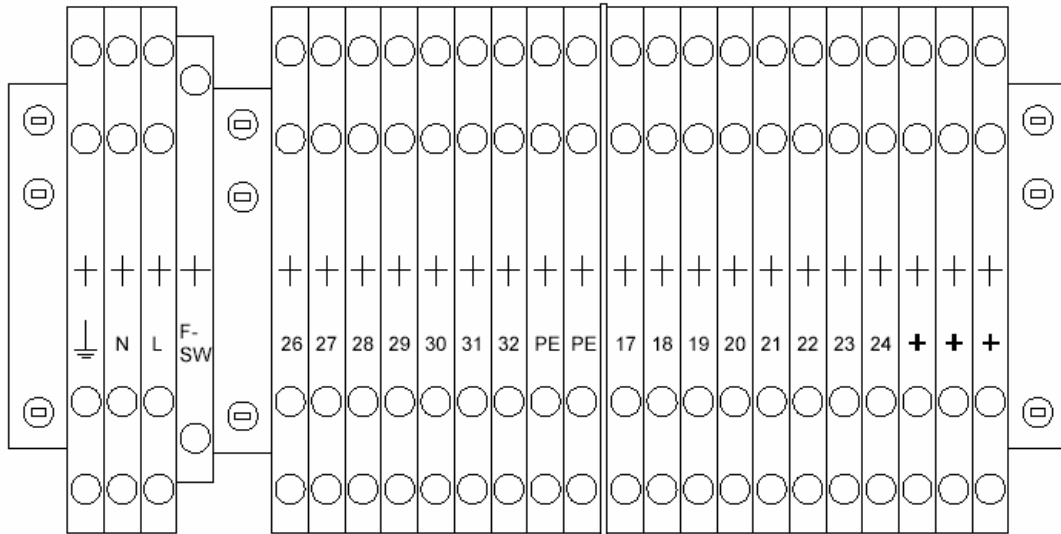
Figure 4: MRC50 "2 Loop Close" Wiring Diagram

Note: See Appendix B for additional information.

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Note:

For security, reason the MRC50 controller is not accessible from the access door. The MRC 50 controller is located below the top hood and is covered by a protective housing, which allows authorized users to change the settings using the exposed programming buttons (see pictures above for exact location, page 11). In order to hard wire the MEC, it comes with a set of input and output terminals located in the base housing. In order to access those terminals another protective cover has to be removed (see picture page 10). The terminals are numbered and represent the exact same inputs and outputs as the MRC50. Following is a diagram of the terminals:



Wiring Terminals

Protective Cover

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3.3.1.4 THREE LOOPS:

DISPLAY MESSAGE: THREE LOOP

The tree loop configuration supports three loops at the entry station.

Loop A (back-out loop), **Loop B** presence loop and **Loop C** safety or reset loop. In order to arm the MEC70 entry station a vehicle has to drive from loop A to loop B and both loops have to be on. (For wiring see Figure 6)

Function	Support
Reset by safety loop	Yes
Back-out Timer	No, will close gate immediately
Issued By Button	Yes
Issued By Loop	Yes
Illegal Entry	No (On-line Version Only)
Illegal Exit	No (On-line Version Only)
Back-out	Yes
Stolen Ticket	Yes
Void Ticket	Yes
Cannot issue ticket when safety loop is on	Yes

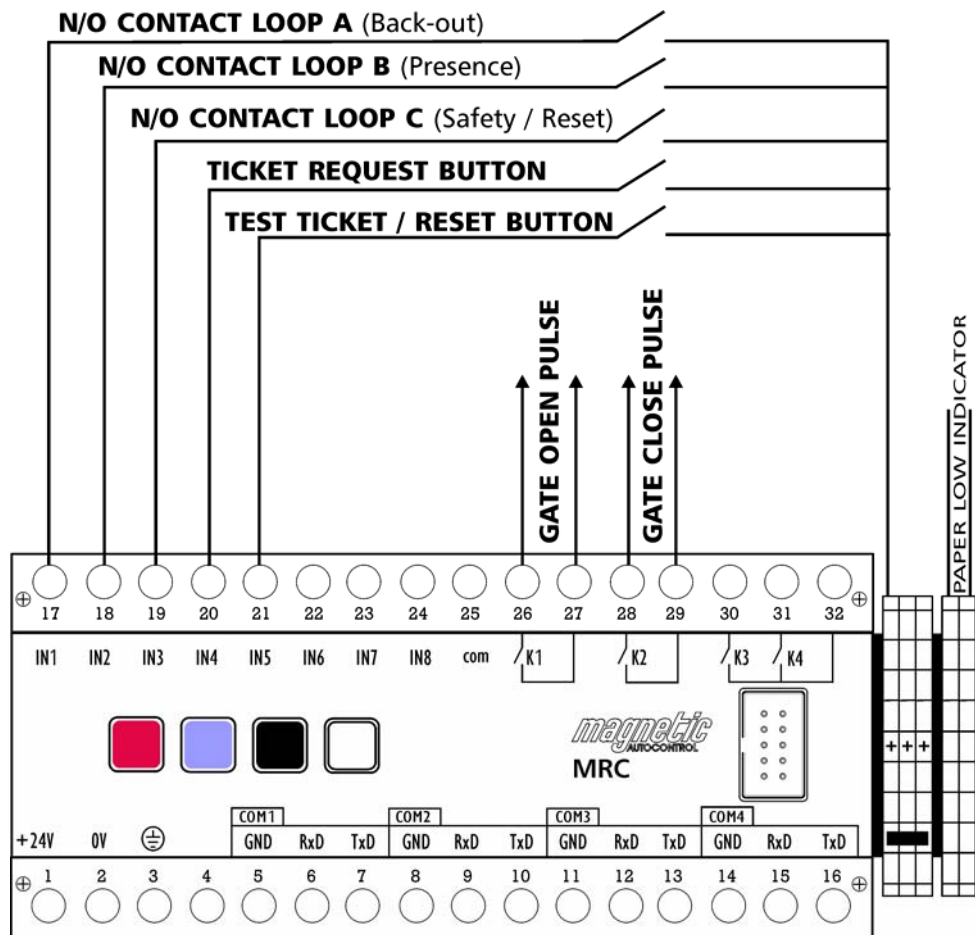


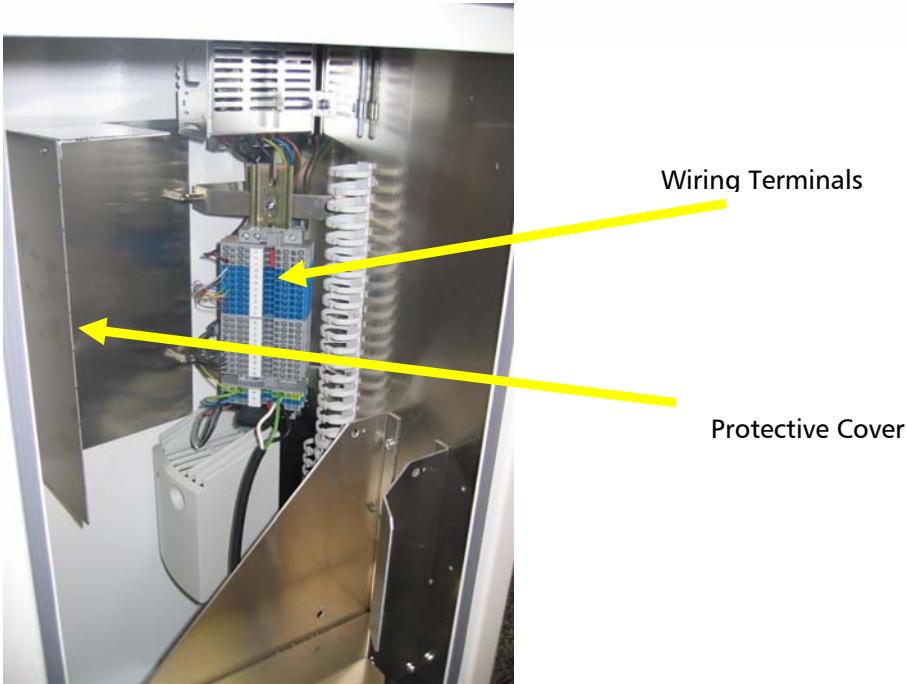
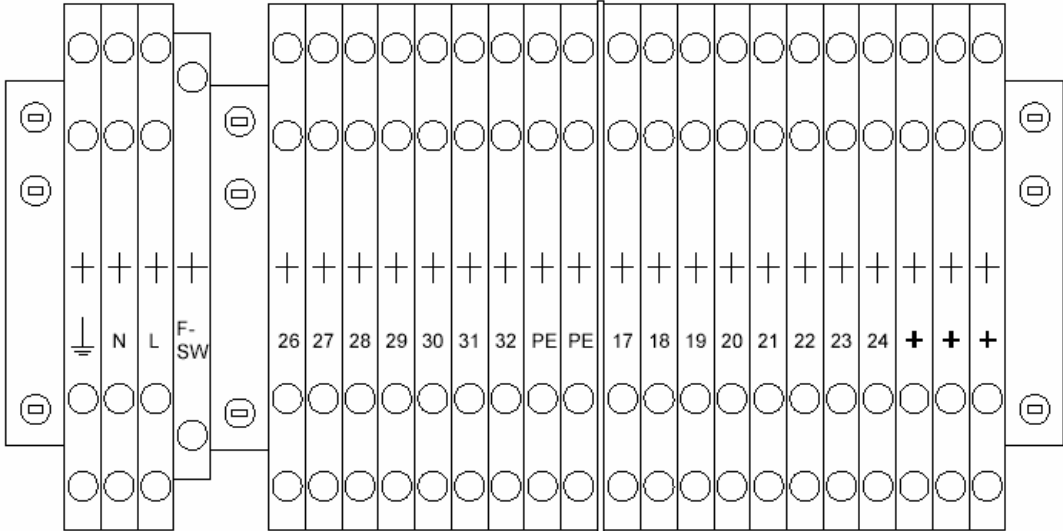
Figure 5: MRC50 "3 Loop" Wiring Diagram

Note: See Appendix B for additional information.

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Note:

For security, reason the MRC50 controller is not accessible from the access door. The MRC 50 controller is located below the top hood and is covered by a protective housing, which allows authorized users to change the settings using the exposed programming buttons (see pictures above for exact location, page 11). In order to hard wire the MEC, it comes with a set of input and output terminals located in the base housing. In order to access those terminals another protective cover has to be removed (see picture page 10). The terminals are numbered and represent the exact same inputs and outputs as the MRC50. Following is a diagram of the terminals:





MEC7* MAGNETIC STRIPE ENTRY STATION

3.3.2 WITH PREPAID TICKET

DISPLAY MESSAGE: PREPAID TICKET

The MEC70 Magnetic Stripe Entry Station can issue and accept prepaid ticket. If the option of accepting Prepaid tickets is "YES" automatic issuing of tickets will be disabled and the ticket request is changed to issuing by pushing the ticket request button.

Default setting: "NO"

3.4 DATE AND TIME

MEC70N allows user to select different date format, time format, and change system date and time.

3.4.1 DATE SEPARATOR

Following option can be set as a DATE separator:

Dash; Period; Blank Space; Equal Sign; Comma; Under Score; Right Slash.

Default setting: "Right Slash"

3.4.2 DATE FORMAT

Date format can be set to MMDDYYYY, DDMMYYYY, or YYYYMMDD.

Default setting: "MMDDYYYY"

3.4.3 DATE OF YEAR (= YEAR)

MEC70 allows user to change current year from 2000 to 2099. The new date won't update until user left edit mode.

3.4.4 DATE OF MONTH (=MONTH)

MEC70 allows user to change current date of month from 1 to 12. The new date won't update until user left edit mode.

3.4.5 DATE OF DAY (=DAY)

MEC70N allows user to change current date of day from 1 to 31 depending on month. The new date won't update until user left edit mode.

3.4.6 TIME FORMAT

Time format can be set to either 12 or 24 hours format.

Default setting: "12 hours"

3.4.7 TIME OF HOUR (=HOUR)

MEC70 allows user to change current time of hour from 0 to 23.

3.4.8 TIME OF MINUTE (=MINUTE)

MEC70N allows user to change current time of minute from 0 to 59.

MEC7* MAGNETIC STRIPE ENTRY STATION

3.5 CONTROL

The Control Table is used to control MEC70N's ticket issued either by loop or by button, ticket issued at lot full, entry complimentary time, verify ticket encoding, digital-output timing and vehicle back-out timing.

3.5.1 TICKET ISSUED

This option will setup the MEC70 to issue tickets by "ticket request button" located on the front-plate of the housing or issue tickets when the vehicle is detected on the arming loop. This parameter does not effect "No-loop" configurations nor while accepting prepaid tickets. After changing this setting the MEC70 will reset automatically.

Default setting: "Issued by Button."

Note: If the "Issued by Loop" option is selected, the prepaid ticket option (3.3.2) must be set to "NO".

3.5.2 COMPLIMENTARY TIME

The entry complimentary time can be set to the specific requirements of the individual car park. The setting is from 0-9, each digit represents 5 minutes (for example digit 3 = 15 minutes).

Default setting: "3"

3.5.3 VERIFIED ENCODED TICKET

If this setting is "YES" it will verify the encoded data before issuing the ticket. This will ensure that each ticket has the valid data. In case the verification finds invalid data it will retract the ticket and issue a new one. The verifying process will slow down the ticket issuing process by about 0.2sec but it is recommended to use to insure proper processing of revenue data.

Default setting: "YES"

3.5.4 DIGITAL-OUTPUT TIMER

In this menu the time for the relay output (K1-K4) can be set to 0.3sec, 0.5sec, 1.0sec and 2.0sec.

Default setting: "0.5"

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3.5.5 BACK-OUT TIMER

The back-out timer set the time in which a gate closing pulse will be issued after the car backs out the entrance lane. The timer is adjustable as following 5, 10, 15, 20, 30, 40, 50, or 60 seconds.

The default value is 5 seconds.

If the patron doesn't pull a ticket, after requesting it, the ticket will be retracted immediately in case of a back out and/or if the customer takes the ticket and backs out the MEC70 will send a signal to close the gate after the timer timed out. Back out timer has no effect in a three-loop configuration; the MEC70 will immediately send a signal to close the gate after the car left the loop in the wrong direction.

Default setting: "5"

Condition	Description
3 loops	Back-out timer not used, gate close immediately
2 loops far & close	Back out timer
No loop	Back out timer

3.5.7 ACCESS PULSE

Any Access control device that issues a potential free normally open contact can be used in conjunction with the MEC70. With this feature you can disable the MEC70 while a patron, using a valid access control device, enters the car park. This will insure that, for example Key-card holder, can't take tickets when entering the car park. The potential free contact has to be connected to the digital inputs on the MRC50 controller. (See 3.7 Digital input).

3.5.7.1 DISABLE ISSUER

If the setting "DISABLE ISSUER" is chosen the MEC70 will be disabled whenever a Access Control signal was issued and will be reset when the vehicle entered the car-park by passing the safety/reset loop "C". (See Figures 7 & 8)

3.5.7.2 MANUAL TICKET

If the setting "MANUAL TICKET" is chosen the MEC70 will only issue tickets manually (i.e. pushing the ticket request button). The MEC70 will be reset (issue the next ticket) when the vehicle is detected entering the car-park by passing the safety/reset loop "C". (See Figures 7 & 8)

Note: If the Entry lane is configured to support an access reader, and an Access customer backs-out of the lane. The MEC70 will be enabled (allowed to issue tickets) when the back-out timer setting is reached (times out) [2 loop configuration] or the back-out loop detects a vehicle backing out [3 loop configuration].

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EXAMPLE A:

Lane Configuration	Both access and ticket customer entry lane. This could be a manned or unmanned entry lane.
Access Reader Configuration	Contact access reader or proximity reader with 2" to 4" (5cm to 10cm) average read range. Can either be located on the face of the MEC70 or in a dedicated reader housing located near the MEC70.
MEC70 Access Pulse	Access pulse set to DISABLE the ticket issue function, when access card detected by reader.
Loop Configuration	2 Loop / 3 Loop Configuration required.

SITUATION A:

Vehicle #1 is a ticket customer, followed by a customer in vehicle #2 that has an access card.

Because the access reader is located on / near the ticket machine, and the reader is perpendicular to the lane, only the customer in front of the reader can be "seen" by the reader.

The access customer must be present in front of the reader, (which might be initialized by a loop detector, [not shown]), a ticket customer **cannot** be affected by an access card customer directly behind. So the recommended setting is to disable ticket when an access pulse is received. This will prevent a customer with an access card from also pulling a ticket.

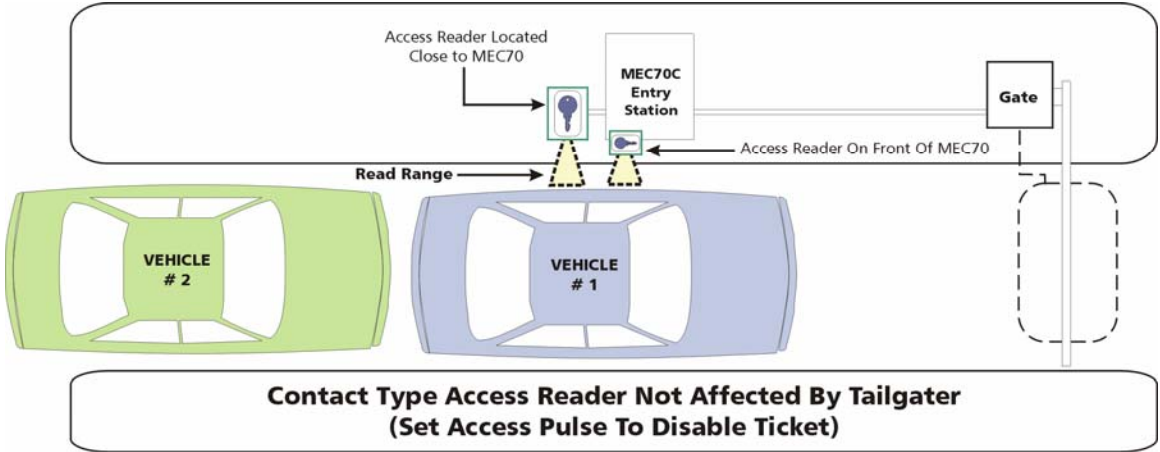


Figure 6: Access Pulse Set To Ticket Disable

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EXAMPLE B:

Lane Configuration	Both access and ticket customer entry lane. This could be a manned or unmanned entry lane.
Access Reader Configuration	Radio Frequency type Access Card reader, "looking" into the lane. Usually located above the lane or oblique to the lane.
MEC70 Access Pulse	Access pulse set to MANUAL ticket issue function, when access card detected by reader.
Loop Configuration	2 Loop / 3 Loop Configuration required.

SITUATION B:

Vehicle #1 is a ticket customer, followed by a customer in vehicle #2 that has an access card. Because the access reader "looks" into the lane to detect RF Access Cards both vehicle #1 and vehicle #2 are in the read range. Vehicle #1 does not activate the access pulse, but is waiting for a ticket. Vehicle #2 is detected by the reader and sends the access pulse to the MEC70.

The access customer must be in the read range for it to be detected by the Access reader, (which might be initialized by a loop detector, [not shown]), a ticket customer COULD be affected by an access card customer directly behind. So the recommended setting is Manual ticket issue when an access pulse is received. This will allow a ticket customer that is front of an Access card customer to still get a ticket by pushing the ticket issue button.

If the MEC70 was set to Disable Ticket, then the ticket customer would NOT be able to get a ticket, the gate open signal would be sent (access customer detected), the ticket customer would probably enter the car park without taking a ticket. When the "ticket" customer crosses the Safety loop the gate closes and the Access customer is blocked.

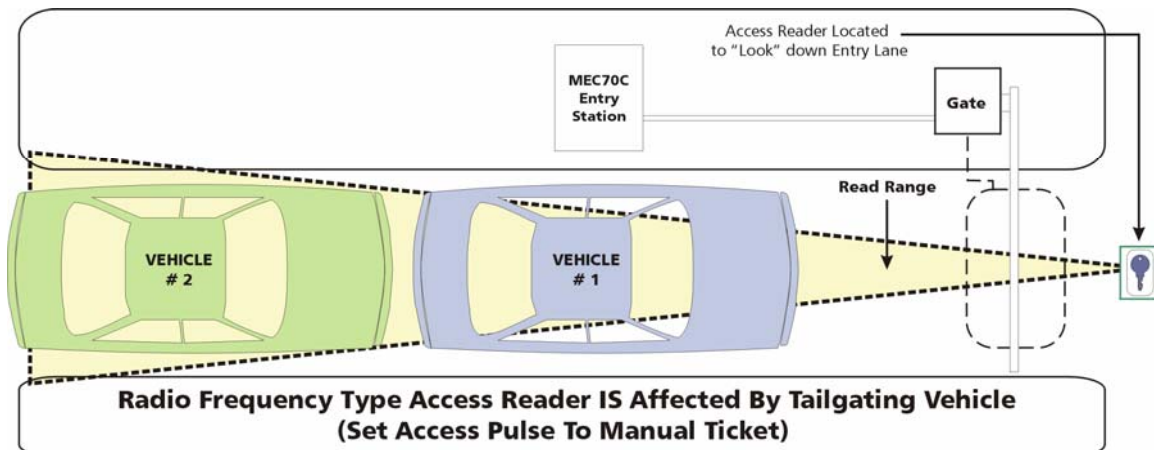


Figure 7: Access Pulse Set To Manual Ticket Issue

Note: This type of access lane can cause problems with access if both a ticket customer and access cardholder enter the lane at the same time, and the reader sends a gate vend signal, the ticket customer could enter the car park, without taking a ticket, (thinking the gate opened for them), the real access cardholder would then be blocked from entry, because the closing loop said the vehicle entered (actually the "ticket" customer entered). This is an inherent problem with this type of reader / lane configuration.

Possible solutions for this problem: (1) a dedicated access lane (best solution) with no ticket customers, (2) position the reader so that it only detects an access customer when it is located in the vehicle #1 position of the lane; (3) set passback protection to allow multiple entries for the card and have the access reader automatically reset when the safety loop is crossed so that a "second" read for the access customer is allowed.



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3.5.8 ACCESS GATE OPEN

The MEC70N allows the user to send a gate opening pulse whenever it receives a Access Control signal from the external Access Control device. Input "Access Pulse" has to be enabled.

3.5.9 LCD DAY/NIGHT

The LCD display of the MEC70 entry station can be set up for night and day with a choice of contrast and backlit. The day/night mode switch table defines as follows.

Option	Range	Description
0	00:00 – 24:00	Always uses backlit and contrast option 1
1	05:00 – 17:00	Uses backlit and contrast option 1 in this period day time
2	05:00 – 18:00	Uses backlit and contrast option 1 in this period day time
3	05:00 – 19:00	Uses backlit and contrast option 1 in this period day time
4	05:00 – 20:00	Uses backlit and contrast option 1 in this period day time
5	05:00 – 21:00	Uses backlit and contrast option 1 in this period day time
6	06:00 – 17:00	Uses backlit and contrast option 1 in this period day time
7	06:00 – 18:00	Uses backlit and contrast option 1 in this period day time
8	06:00 – 19:00	Uses backlit and contrast option 1 in this period day time
9	06:00 – 20:00	Uses backlit and contrast option 1 in this period day time
10	06:00 – 21:00	Uses backlit and contrast option 1 in this period day time
11	07:00 – 17:00	Uses backlit and contrast option 1 in this period day time
12	07:00 – 18:00	Uses backlit and contrast option 1 in this period day time
13	07:00 – 19:00	Uses backlit and contrast option 1 in this period day time
14	07:00 – 20:00	Uses backlit and contrast option 1 in this period day time
15	07:00 – 21:00	Uses backlit and contrast option 1 in this period day time
16	08:00 – 17:00	Uses backlit and contrast option 1 in this period day time
17	08:00 – 18:00	Uses backlit and contrast option 1 in this period day time
18	08:00 – 19:00	Uses backlit and contrast option 1 in this period day time
19	08:00 – 20:00	Uses backlit and contrast option 1 in this period day time
20	08:00 – 21:00	Uses backlit and contrast option 1 in this period day time
21	09:00 – 17:00	Uses backlit and contrast option 1 in this period day time
22	09:00 – 18:00	Uses backlit and contrast option 1 in this period day time
23	09:00 – 19:00	Uses backlit and contrast option 1 in this period day time
24	09:00 – 20:00	Uses backlit and contrast option 1 in this period day time
25	09:00 – 21:00	Uses backlit and contrast option 1 in this period day time

Note: The display will use the settings specified in the LCD Backlit 2 (3.5.12) and LCD Contrast 2 (3.5.13) when the current time is out of the LCD Backlit 1 and LCD Contrast 1 settings.

3.5.10 LCD BACKLIT 1 (OPTION1)

This option let you select the **DAY** mode for the LCD backlit. It is selectable between level 1-6. The lower number means less backlit the higher number makes it lighter.

3.5.11 LCD CONTRAST 1 (OPTION1)

This option let you select the **DAY** mode for the LCD Contrast. It is selectable between level 1-6. The lower number means less contrast the higher number makes it darker.

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3.5.12 LCD BACKLIT 2 (OPTION2)

This option let you select the **NIGHT** mode for the LCD backlit. It is selectable between level 1-6. The lower number means less backlit the higher number makes it lighter.

3.5.13 LCD CONTRAST 2 (OPTION2)

This option let you select the **NIGHT** mode for the LCD Contrast. It is selectable between level 1-6. The lower number means less contrast the higher number makes it darker.

3.5.14 CUTTING POSITION

This function is used to adjust the ticket cutter position. If the ticket cut position requires adjustment this function will adjust where the ticket is cut. The cutting position can be adjusted by a number of ± 7 . Adjustment factors are applied to the current setting (0), (-) minus factors will move the cut forward of the current position, (+) plus factors adjustments will move the cut back from the current position.

3.6 TICKET AND CARD

This table allows changing rates, ticket numbers and prepaid ticket settings.

3.6.1 TICKET NUMBER

MEC70 assigns a sequential ticket number when an entry transaction is processed. When the six digits ticket number 999,999 is going to roll over, the next ticket number will be assigned to 1 instead of zero.

3.6.2 DEFAULT RATE NUMBER

The MEC70 supports eight (8) different rate setting.
Default setting: "0"

3.6.3 ALTERNATE RATE NUMBER 1

The MEC70 entry lane station can be programmed to store alternate fee rate structure for parking fee calculation. (for example motorcycles or high vehicles, etc.). The offline versions support eight (8) alternate rates.
Default setting: "0"

3.6.4 ALTERNATE RATE NUMBER 2

The MEC70 entry lane station can be programmed to store alternate fee rate structure for parking fee calculation. (for example motorcycles or high vehicles, etc.). The offline versions support eight (8) alternate rates.
Default setting: "0"

3.6.5 EVENT TICKET DAYS

MEC70N ticket dispenser provides a simple way to issue multiple event tickets. The event tickets will be created from the current system date plus a period of extension days called "Event Ticket Days". For example, if the Event Ticket Day is one (1) and current system date is January 1st, 2000, the event tickets are valid until 23:59 January 2nd, 2000. The days could be from 0 to 99. User has to save the current setup either event ticket days or number of event ticket to activate the event tickets procedure.
Default setting: "0"

3.6.6 NUMBER OF EVENT TICKET



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MEC70N ticket dispenser provides a simple way to issue multiple event tickets. The event tickets will be created from the current system date plus a period of extension days called "Event Ticket Days". The number of event tickets could be from 1 to 999. Default is **1**. User has to save the current setup either event ticket days or number of event ticket to activate the event tickets procedure. After setting up and saving the "EVENT TICKET DAYS" and the "NUMBER OF EVENT TICKETS" the display will prompt you to issue the desired amount of "EVENT TICKETS"
(SEE 3.5.7 and Appendix A)

3.6.7 HOW TO PRINT EVENT TICKETS?

After setting up and saving the "EVENT TICKET DAYS" and the "NUMBER OF EVENT TICKETS" the display will prompt you to issue the desired amount of "EVENT TICKETS". Push and hold ticket request button then push (for one second) the test/reset button at the same time. Release both buttons at the same time; the MEC70 is going to print the event tickets one by one. Each ticket printing requests 2.5 seconds. Display will show "Number of Event Ticket" count down when ticket is issuing. The system will reset after the last ticket has been issued.

3.7 DIGITAL INPUT

MEC70N has eight isolated digital-input to control loops, ticket buttons, alternate rates, ticket low, boom broken switch, external Access Control device, disabling of ticket dispenser, etc. Digital-inputs 1 to 3 are used for the loop logic loop A (back-out loop), B (present loop), C (safety loop) and can not be used for any other functions. Digital-input 4 is used for ticket request button and can't be used for any other functions. Digital-input 5 is used for test ticket/MEC70 reset button and can't be used for any other functions. The other three inputs (6-8) can be set to have a variety of different functions.

Index	Parameter Description
1	None (default)
2	Alternate Rate 1
3	Alternate Rate 2
4	Ticket Stack Low (on-line version only)
5	Lot Full
6	Disable Ticket Issuing Machine or Exit Ticket Verifier
7	Gate Fault (on-line version only)
8	Access Pulse

3.7.1 INPUT 6,7,8 – NONE

Select *none* when no additional inputs are required.

3.7.2 INPUT 6,7,8 – ALTERNATE RATE 1

Select *Alternate Rate 1* when different rates for vehicles are used. The rate encoded and printed on the ticket will change to this alternate rate as soon this input is applied.

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3.7.3 INPUT 6,7,8 – ALTERNATE RATE 2

Select *Alternate Rate 2* when different rates for vehicles are used. The rate encoded and printed on the ticket will change to this alternate rate as soon this input is applied.

3.7.4 INPUT 6,7,8 – TICKET STACK LOW

Select *Ticket Stack Low* when this input provides signal that the ticket stock (box) is low on tickets

NO FUNCTION IN OFFLINE VERSION MEC70

3.7.5 INPUT 6,7,8 – LOT FULL

Select *Lot Full* when the MEC70N Entry Station should be disabled when the maximum capacity of the car park has been reached. A continuous (not a pulse) potential free input signal from an external device will disable the MEC70. The MEC70 will not issue tickets while the Lot Full indication is being received from this digital input parameter. If the Lot Full input is not used the MEC70 will issue tickets and allow entry to the car park in the normal manner.

3.7.6 INPUT 6,7,8 – DISABLE TICKET ISSUING MACHINE OR EXIT TICKET VERIFIER

Select this option when an external device should disable the Entry/Exit station. If this option is selected an external device sends a continuous (not a pulse) potential free input signal to disable the MEC70. Example - This function might be used to close an entry/exit lane for an emergency or traffic control.

3.7.7 INPUT 6,7,8 – GATE FAULT

Select *Gate Fault* when this input provides signal that there is a gate fault (broken boom) this requires additional optional hardware to be installed. **NO FUNCTION IN OFFLINE VERSION MEC70**

3.7.8 INPUT 6,7,8 – ACCESS PULSE

Any Access control device that issued a potential free normally open contact can be used in conjunction with the MEC70. With this feature you can disable the MEC70 while a patron, using a valid access control device, enters the car park. This will insure that, for example Key-card holder, can't take tickets when entering the car park. The potential free contact has to be connected to the selected digital input of the MRC50 controller.

3.8.9 DIGITAL-INPUT PIN ASSIGNMENT

MRC50	Digital-Input Assignment
17	Input 1 – Loop A
18	Input 2 – Loop B
19	Input 3 – Loop C
20	Input 4 – Ticket Request Button
21	Input 5 – Test Ticket Issuing Button or System Reset Button
22	Input 6 – Miscellaneous 1 – Programmed Parameter
23	Input 7 – Miscellaneous 2 – Programmed Parameter
24	Input 8 – Miscellaneous 3 – Programmed Parameter
25	0 Volt from gate (common)



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3.9 DIGITAL-OUTPUT (RELAY OUTPUT)

MEC70N has four-(4) potential free relay output. The outputs are used to open or close the gate, turn on maintenance request light, buzzer, etc. Digital-output one is always used for gate open. The other three outputs could be programmed manually. The output parameter table selection includes.

3.9.1 OUTPUT 2,3,4 - NONE

Select **none** when no output is required.

3.9.2 OUTPUT 2,3,4 – GATE CLOSE

Select **Gate Close** when back-out function is used to close the gate.

3.9.3 OUTPUT 2,3,4 – MAINTENANCE INDICATION

Select **Maintenance** when MEC70N is going to use this digital-output for maintenance indication purpose. When magnetic head passed count, ticket-cut count, or ticket-print counts are over their limitation or a hardware error occurs, this contact will close. Example - This output could be used to turn on a light or audible device located at the MEC70 or other location (Maintenance indicator not at the MEC70 would require a wire run to the remote location).

3.9.4 OUTPUT 2,3,4 - BUZZER

Select **Buzzer** and this contact will close every time a ticket was requested. This requires a buzzer to be added to the MEC70. (See Section 2.1 for MRC50 Controller Data Sheet).

3.9.5 DIGITAL-OUTPUT PIN ASSIGNMENT

Pin Number	Digital-Output Assignment
26	Output 1 – Gate Open
27	Output 1 – Common
28	Output 2 – Miscellaneous 1 – Programmed Parameter
29	Output 2 – Common
30	Output 3 – Miscellaneous 2 – Programmed Parameter
31	Output 4 – Miscellaneous 3 – Programmed Parameter
32	Output 3 & 4 – Common



MEC7* MAGNETIC STRIPE ENTRY STATION

4.0 TEST TICKET AND SYSTEM RESET

A test ticket and a complete System reset can be requested via using the push button located on the right upper corner of the steel mounting plate (See Figure 9).

To issue a **TEST TICKET** press and then immediately release the button, the unit will issue a test ticket.

To **RESET** press and HOLD the button for three (3) seconds the unit will reset and re-initialize the controller and ticket head.



MEC70 MAGNETIC STRIPE ENTRY STATION

MRC50 PROGRAMMING MENUS

MAIN MENU HEADINGS

- 01 – LANGUAGE
- 02 – IDENTIFY / MAINT
- 03 – EQUIPMENT
- 04 – DATE & TIME
- 05 – CONTROL
- 06 – TICKET & CARD
- 07 – DIGITAL INPUT
- 08 – RELAY OUTPUTS

MAIN / SUB-MENU HEADINGS

01 – LANGUAGE

- 01 – OPTION 1
(English, German, French, Italian, Spanish, Portuguese)
- 02 – OPTION 2
(English, German, French, Italian, Spanish, Portuguese)
- 03 – BILINGUAL TIMER
(Single, 1.5 Second, 2 Seconds, 2.5 Seconds, 3 Seconds)

02 – IDENTIFY / MAINT

- 01 – STATION NUMBER
(1 to 16)
- 02 – SITE NUMBER
(1 to 32)
- 03 – SOFTWARE VERSION
- 04 – MAGNETIC HEAD
(Non re-settable Warranty Counter)
- 05 – RESET HEAD PASS
(Re-settable Maintenance Counter)
- 06 – TICKET CUT
(Non re-settable Warranty Counter)
- 07 – RESET TICKET CUT PASS
(Re-settable Maintenance Counter)
- 08 – TICKET PRINT
(Non re-settable Warranty Counter)
- 09 – RESET INK PRINT
(Re-settable Maintenance Counter)
- 10 – ERROR CODE
(See Specification)

03 – EQUIPMENT

- 01 – LOOP OPTION
(No Loop, 2 Loops Far, 2 Loops Close, 3 Loops)
- 02 – PREPAID TICKET
(Yes, No)

04 – DATE & TIME

- 01 – DATE SEPERATOR
(- . {Blank space} = , _ /)
- 02 – DATE FORMAT
(DD MM YYYY, YYYY MM DD, MM DD YYYY)
- 03 – YEAR
(1999 to 2098)
- 04 – MONTH
(1 to 12)
- 05 – DAY
(1 to 31)
- 06 – TIME FORMAT
(12 or 24)
- 07 – HOUR
(0 to 23)
- 08 – MINUTE
(00 to 59)

05 – CONTROL

- 01 – TICKET ISSUED
(Issued by Loop, Issued by Button)
- 02 – ISSUED AT FULL
(Yes, No)
- 03 – COMPLIMENT TIME
(In Minutes: 0, , 10, 15, 20, 25, 30, 35, 40, 45)
- 04 – VERIFY ENCODING
(Yes, No)
- 05 – DGT OUTPUT TIMER
(In Seconds: 0.3, 0.5, 1, 2)
- 06 – BACK OUT TIMER
(In Seconds: 0, 5, 10, 15, 20, 30, 40, 50, 60)
- 07 – ACCESS PULSE
(Disable Ticket, Manual Ticket)
- 08 – ACCESS GATE OPEN
(Yes, No)
- 09 – LCD DAY / NIGHT
(25 Variations, See Specification)
- 10 – LCD BACKLIGHT 1
(Level 1 to Level 6; 6 = Brightest)
- 11 – LCD CONTRAST 1
(Level 1 to Level 6; 6 = Maximum Contrast)
- 12 – LCD BACKLIGHT 2
(Level 1 to Level 6; 6 = Brightest)
- 13 – LCD CONTRAST 2
(Level 1 to Level 6; 6 = Maximum Contrast)
- 14 – CUTTING POSITION
(-7 to +7)

06 – TICKET & CARD

- 01 – TICKET NUMBER
(Re-settable ticket Number)
- 02 – RATE NUMBER
(Rate 0 to Rate 7)
- 03 – ALTERNATE RATE 1
(Rate 0 to Rate 7)
- 04 – ALTERNATE RATE 2
(Rate 0 to Rate 7)
- 05 – EVENT TICKET DAYS
(Event Ticket Valid for 1 to 99 days from print date)
- 06 – # EVENT TICKET
(1 to 999)

07 – DIGITAL INPUT

- 01 – INPUT 6
(Ticket Stack Low, Lot Full, Disable Ticket, Gate Fault, Access Pulse, None, Alternate Rate 1, Alternate Rate 2)
- 02 – INPUT 7
(Ticket Stack Low, Lot Full, Disable Ticket, Gate Fault, Access Pulse, None, Alternate Rate 1, Alternate Rate 2)
- 03 – INPUT 8
(Ticket Stack Low, Lot Full, Disable Ticket, Gate Fault, Access Pulse, None, Alternate Rate 1, Alternate Rate 2)

08 – RELAY OUTPUTS

- 01 – OUTPUT 2
(Gate Close, Maintenance Error, Lot Full, Buzzer, None)
- 02 – OUTPUT 3
(Gate Close, Maintenance Error, Lot Full, Buzzer, None)
- 03 – OUTPUT 4
(Gate Close, Maintenance Error, Lot Full, Buzzer, None)

MEC70 MAGNETIC STRIPE ENTRY STATION

01 / 01 / 2000 11:00 AM
 USE PUSH BUTTON OR
 INSERT TICKET

TICKET ISSUE MODE

PUSH RED BUTTON TO ENTER "SYSTEM EDIT MODE" ALSO REFERED TO AS THE SUPERVISOR MODE

SYSTEM EDIT MODE
 01. LANGUAGE

01. SYSTEM EDIT MODE - LANGUAGE

PRESS WHITE BUTTON TO ENTER LANGUAGE OPTION MODE

LANGUAGE
 01. OPTION 1

LANGUAGE SUB-MENU 01. LANGUAGE OPTION 1

PRESS WHITE BUTTON AGAIN TO ENTER THE LANGUAGE OPTION 1 SELECTION SCREEN (PRIMARY LANGUAGE)

OPTION 1
 ENGLISH

USE THE BLUE / BLACK BUTTON TO SCROLL THROUGH LANGUAGE OPTION 1 SELECTIONS SELECT THE DESIRED LANGUAGE:

ENGLISH; GERMAN; FRENCH; ITALIAN; SPANISH; PORTUGUESE

WHEN DISIRED LANGUAGE IS DISPLAYED PRESS THE WHITE BUTTON.

CANCEL : RED KEY
 SAVE : WHITE KEY

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE LANGUAGE OPTION 1 MENU.

LANGUAGE
 01. OPTION 1

USE THE BLUE / BLACK BUTTON TO SELECT NEXT OPTION.

NOTE: *The entry station is capable of displaying two languages for patron use. The option 1 language is one of the language selections. The option 1 language is also the default language for all programming menu screens.*

MEC70 MAGNETIC STRIPE ENTRY STATION

LANGUAGE 02. OPTION 2
OPTION 2 GERMAN
CANCEL : RED KEY SAVE ; WHITE KEY
LANGUAGE 02. OPTION 2

LANGUAGE SUB-MENU 02. LANGUAGE OPTION 2

TO SET THE SECOND LANGUAGE: FROM THE LANGUAGE OPTION 1 MENU PRESS THE BLACK KEY, THE UNIT WILL DISPLAY THE LANGUAGE OPTION 2 MENU

SELECT THE SECOND LANGUAGE THAT WILL BE DISPLAYED TO THE CUSTOMER AT USER SELECTED INTERVAL. (SEE 3C). IF THE OPTION 1 & 2 LANGUAGES ARE BOTH THE SAME LANGUAGES THE UNIT WILL DISREGARD THE DISPLAY INTERVAL SETTING. (I.E. - IT WILL NOT FLASH BETWEEN THE TWO LANGUAGES).

USE THE BLUE / BLACK BUTTON TO SCROLL THROUGH LANGUAGE OPTION 2 SELECTIONS SELECT THE DESIRED LANGUAGE:

English; German; French; Italian; Spanish; Portuguese

WHEN DISIRED LANGUAGE IS DISPLAYED PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE LANGUAGE OPTION 2 MENU.

USE THE BLUE / BLACK BUTTON TO SELECT NEXT OPTION.

LANGUAGE 03. BILINGUAL TIMER
BILINGUAL TIMER 1.5 SECONDS
CANCEL : RED KEY SAVE : WHITE KEY
SYSTEM EDIT MODE 01. LANGUAGE

LANGUAGE SUB-MENU 03. BILINGUAL TIMER

THE BILINGUAL TIMER SETS THE TIME INTERVAL USED FOR CHANGING THE DISPLAY FROM THE OPTION 1 LANGUAGE AND THE OPTION 2 LANGUAGE. THE AVAILABLE SETTINGS ARE:

Single Language; 1.5 Seconds; 2 Seconds; 2.5 Seconds & 3 Seconds

THIS IS THE LENGTH OF TIME BEFORE THE DISPLAY CHANGES TO THE OPPOSITE LANGUAGE. (I.E. – ENGLISH – GERMAN – ENGLISH – GERMAN ETC.)

TO SET THE BILINGUAL TIMER FROM THE LANGUAGE OPTION 2 MENU PRESS THE BLACK KEY, THE UNIT WILL DISPLAY THE BILINGUAL TIMER MENU. PRESS THE WHITE KEY TO ENTER THE TIMER MENU. PRESS THE BLUE / BLACK KEY TO CHANGE THE TIME INTERVAL.

WHEN DISIRED LANGUAGE IS DISPLAYED PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE BILINGUAL TIMER MENU.

USE THE BLUE / BLACK BUTTON TO SELECT NEXT OPTION.

AFTER THE BILINGUAL TIMER SCREEN IS DISPLAYED. PRESS THE BLUE / BLACK BUTTON TO SCROLL THROUGH LANGUAGE OPTIONS, IF NO OTHER LANGUAGE OPTIONS NEED TO BE CONFIGURED, PRESS THE RED KEY TO RETURN TO THE SYSTEM EDIT MODE SCREEN.



MEC70 MAGNETIC STRIPE ENTRY STATION

SYSTEM EDIT MODE
02. IDENTIFY / MAINT.

02. SYSTEM EDIT MODE – IDENTIFY / MAINT.

PRESS THE BLACK BUTTON TO SELECT NEXT MENU OPTION SYSTEM EDIT MODE OPTION 2 – IDENTIFY/MAINT. PRESS THE WHITE BUTTON TO ENTER THE IDENTIFY / MAINT MENU SCREEN.

IDENTIFY / MAINT.
01. STATION NUMBER

IDENTIFY / MAINT. SUB-MENU

01. STATION NUMBER

PRESS WHITE BUTTON AGAIN TO ENTER THE IDENTIFY/MAINT. OPTION 1 SELECTION SCREEN (STATION #)

STATION NUMBER
01

PRESS WHITE TO SELECT THE STATION NUMBER MENU

USE THE BLUE / BLACK BUTTON TO SCROLL THROUGH STATION # 'S (1 - 16).

PRESS THE WHITE KEY WHEN DISIRED STATION NUMBER IS DISPLAYED.

CANCEL : RED KEY
SAVE : WHITE KEY

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE BILINGUAL TIMER MENU.

IDENTIFY / MAINT.
01. STATION NUMBER

AFTER SELECT IDENT / MAINT MENU DISPLAYED. USE THE BLACK BUTTON TO SCROLL TO NEXT OPTION, GARAGE NUMBER

IDENTIFY / MAINT.
02. SITE NUMBER

IDENTIFY / MAINT. SUB-MENU

02.SITE NUMBER

PRESS WHITE BUTTON AGAIN TO ENTER THE IDENTIFY/ MAINT. OPTION 2 SELECTION SCREEN (SITE #)

SITE NUMBER
01

PRESS THE WHITE BUTTON TO ENTER THE GARAGE NUMBER MENU

USE THE BLUE / BLACK BUTTON TO SCROLL THROUGH SITE # 'S (1 - 32).

PRESS THE WHITE KEY WHEN DISIRED SITE NUMBER IS DISPLAYED.

CANCEL : RED KEY
SAVE : WHITE KEY

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE SITE NUMBER MENU.

IDENTIFY / MAINT.
02. SITE NUMBER



MEC70 MAGNETIC STRIPE ENTRY STATION

IDENTIFY / MAINT.
03. SOFTWARE VERSION

SOFTWARE VERSION
V2 . 00 . XXXXXXXX . 70

IDENTIFY / MAINT.
03. SOFTWARE VERSION

IDENTIFY / MAINT. SUB-MENU 03. SOFTWARE VERSION

THIS IS USED PRIMARY FOR SUPPORT PURPOSES. IT IDENTIFIES THE VERSION OF SOFTWARE INSTALLED IN THE CONTROLLER. THIS NUMBER WILL BE REQUIRED WHEN CALLING FOR CUSTOMER SUPPORT.

PRESS THE WHITE BUTTON TO SELECT THE MENU, THIS WILL DISPLAY THE VERSION OF SOFTWARE INSTALLED. THE BLUE / BLACK KEY ARE DISABLED ON THIS SCREEN

PRESS THE WHITE OR RED KEY TO RETURN TO THE IDENT / MAINT. OPTION 3 SCREEN. FROM THIS SCREEN PRESS BLACK TO GO TO IDENT/MAINT OPTION #4

IDENTIFY / MAINT.
04. MAGNETIC HEAD

MAGNETIC HEAD
2937

IDENTIFY / MAINT.
04. MAGNETIC HEAD

IDENTIFY / MAINT. SUB-MENU 04. MAGNETIC HEAD

PRESS THE WHITE BUTTON TO SELECT. THIS WILL DISPLAY THE READ / WRITE / VERIFY COUNT. (I.E. - HOW MANY TIMES HAS THE MAGNETIC HEAD PERFORMED THE READ / WRITE / VERIFY FUNCTION). THIS IS A NON-RESETTABLE WARRANTY COUNTER.

PRESS THE WHITE BUTTON TO SELECT THE MENU, THIS WILL DISPLAY THE MAGNETIC HEAD COUNT. THE BLUE / BLACK KEY ARE DISABLED ON THIS SCREEN

PRESS THE WHITE OR RED KEY TO RETURN TO THE IDENT/MAINT. OPTION 4 SCREEN. FROM THIS SCREEN PRESS BLACK TO GO TO IDENT/MAINT OPTION #5

IDENTIFY / MAINT.
05. RESET HEAD PASS

RESET HEAD PASS
1030

CANCEL : RED KEY
SAVE : WHITE KEY

IDENTIFY / MAINT. SUB-MENU 05. RESET HEAD PASS

THIS IS A RESETTABLE COUNTER USED FOR MAINTENANCE PURPOSES. WHEN THE MAGNETIC HEAD PASS COUNTER EXCEEDS 500,000 READ/WRITE FUNCTION COUNTS, THE MAINTENANCE INDICATOR LIGHT IS TURNED ON. THE MAGNETIC READ/WRITE HEAD SHOULD BE REPLACED. THIS COUNTER WOULD THEN BE RESET TO ZERO, THE MAINTENANCE LIGHT IS THEN TURNED OFF, AND THIS COUNTER WOULD THEN START COUNTING AGAIN.

PRESS THE WHITE BUTTON TO SELECT. THIS WILL DISPLAY THE RESET HEAD PASS COUNTS. (HOW MANY TIMES THE MAGNETIC HEAD HAS PERFORMED THE READ / WRITE / VERIFY FUNCTION, SINCE THE LAST TIME THIS COUNTER WAS RESET).

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THE COUNTER TO ZERO OR THE PREVIOUS HEAD COUNT.

IF YOU WANT TO EXIT WITHOUT MAKING ANY CHANGES PRESS THE RED BUTTON TO EXIT AND RETURN TO THE IDENTIFY / MAINT RESET HEAD PASS MAIN SCREEN.



MEC70 MAGNETIC STRIPE ENTRY STATION

IDENTIFY / MAINT.
05. RESET HEAD PASS

IDENTIFY / MAINT. SUB-MENU 05. RESET HEAD PASS (Cont.)

PRESS THE WHITE BUTTON TO ENTER THE HEAD PASS COUNT.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.
PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE IDENTIFY / MAINT. RESET HEAD PASS MAIN MENU SCREEN.

NOTE: *The counter described in Identify / Maint option 4, verifies the read / write warranty.*

IDENTIFY / MAINT.
06. TICKET CUT

IDENTIFY / MAINT. SUB-MENU 06. TICKET CUT

THIS IS A NON-RESETTABLE COUNTER USED FOR WARRANTY PURPOSES.
THIS COUNTER INDICATES THE TOTAL NUMBER OF TICKETS THAT HAVE BEEN CUT.

TICKET CUT
1236

PRESS THE WHITE BUTTON TO SELECT THE MENU, THIS WILL DISPLAY THE TICKET CUT COUNT. THE BLUE / BLACK KEY ARE DISABLED ON THIS SCREEN

PRESS THE WHITE OR RED KEY TO RETURN TO THE IDENT/MAINT. OPTION 6 SCREEN. FROM THIS SCREEN PRESS BLACK TO GO TO IDENT/MAINT OPTION #7

IDENTIFY / MAINT.
06. TICKET CUT

IDENTIFY / MAINT. SUB-MENU 07. RESET TICKET CUT

THIS IS A RESETTABLE COUNTER USED FOR MAINTENANCE PURPOSES.
WHEN THE TICKET CUT COUNTER EXCEEDS 300,000 COUNTS (SEE SECTION 3.2.7); THE MAINTENANCE INDICATOR LIGHT IS TURNED ON. THE TICKET CUTTER SHOULD BE REPLACED. THE USER RESETS THIS COUNTER AND THEN THE MAINTENANCE LIGHT IS TURNED OFF, THIS COUNTER THEN STARTS COUNTING AGAIN

IDENTIFY / MAINT.
07. RESET TICKET CUT

PRESS THE WHITE BUTTON TO SELECT. THIS WILL DISPLAY THE TICKET CUT COUNTS. (HOW MANY TIMES THE TICKET CUTTER HAS PERFORMED THE TICKET CUT FUNCTION, SINCE THE LAST TIME THIS COUNTER WAS RESET).

RESET TICKET CUT
342

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THE COUNTER TO ZERO OR THE PREVIOUS TICKET CUT COUNTS.

CANCEL : RED KEY
SAVE : WHITE KEY

PRESS THE RED BUTTON TO EXIT TO THE RESET TICKET CUT MAIN SCREEN. (AFTER REPLACING THE TICKET CUTTER), PRESS THE WHITE BUTTON TO ENTER THE TICKET CUT COUNT SETTING.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.



MEC70 MAGNETIC STRIPE ENTRY STATION

IDENTIFY / MAINT.
07. RESET TICKET CUT

IDENTIFY / MAINT. SUB-MENU 07. RESET TICKET CUT (Cont.)

THE UNIT WILL RETURN TO THE RESET TICKET CUT MAIN SCREEN FROM THIS SCREEN PRESS BLACK TO GO TO IDENT/MAINT OPTION #8

NOTE: *The counter described in Identify / Maint option 6 verifies the read / write warranty.*

IDENTIFY / MAINT.
08. TICKET PRINT

IDENTIFY / MAINT. SUB-MENU 08. TICKET PRINT

THIS IS A NON-RESETTABLE COUNTER USED FOR WARRANTY PURPOSES. THIS COUNTER INDICATES THE TOTAL NUMBER OF TICKETS THAT HAVE BEEN PRINTED.

TICKET PRINT
2937

PRESS THE WHITE BUTTON TO SELECT THE MENU, THIS WILL DISPLAY THE TICKET PRINT COUNT. THE BLUE/BLACK KEY ARE DISABLED ON THIS SCREEN

PRESS THE WHITE OR RED KEY TO RETURN TO THE IDENT/MAINT. OPTION 8 SCREEN. FROM THIS SCREEN PRESS BLACK TO GO TO IDENT/MAINT OPTION #9

IDENTIFY / MAINT.
08. TICKET PRINT

IDENTIFY / MAINT.
09. RESET INK PRINT

IDENTIFY / MAINT. SUB-MENU 09. RESET INK PRINT

THIS IS A RESETTABLE COUNTER USED FOR MAINTENANCE PURPOSES. WHEN THE TICKET PRINT COUNTER EXCEEDS 11,000 TICKETS, THE MAINTENANCE INDICATOR LIGHT IS TURNED ON. THE TICKET INK CARTRIDGE SHOULD BE REPLACED. THE USER RESETS THIS COUNTER AND THEN THE MAINTENANCE LIGHT IS TURNED OFF, THIS COUNTER THEN STARTS COUNTING AGAIN

RESET INK PRINT
342

NOTE: *The counter described in Identify / Maint option 8 verifies the ticket print warranty.*

CANCEL : RED KEY
SAVE : WHIT KEY

PRESS THE WHITE BUTTON TO SELECT. THIS WILL DIPLAY THE INK PRINT COUNT. (HOW MANY TICKETS THE INK CARTRIDGE HAS PRINTED, SINCE THE LAST TIME THIS COUNTER WAS RESET).

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THE COUNTER TO ZERO OR THE PREVIOUS (TICKET) INK PRINT COUNT.

IDENTIFY / MAINT.
09. RESET INK PRINT

PRESS THE RED BUTTON TO EXIT TO THE RESET INK PRINT MAIN SCREEN.

(AFTER REPLACING INK CARTRIDGE), PRESS THE WHITE BUTTON TO ENTER THE INK PRINT COUNT SETTING, VERIFY THAT ZERO IS SHOWN.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE RESET INK PRINT MAIN SCREEN FROM THIS SCREEN PRESS BLACK TO GO TO IDENT/MAINT OPTION #10

MEC70 MAGNETIC STRIPE ENTRY STATION

IDENTIFY / MAINT. 10. ERROR CODE
ERROR CODE 30
IDENTIFY / MAINT. 10. ERROR CODE

IDENTIFY / MAINT. SUB-MENU 10. ERROR CODE

THIS IS A MAINTENANCE READ ONLY DISPLAY. IT WILL INFORM THE USER OF ANY ERRORS DETECTED IN THE UNIT. THE UNIT WILL ONLY DISPLAY ONE ERROR CODE AT A TIME. AS EACH ERROR IS CORRECTED, THE UNIT WILL DISPLAY THE NEXT ERROR CODE, IF ANY. THE SAMPLE ERROR SHOWN (30) IS THE CODE FOR NO MORE PAPER STOCK.. PRESS THE WHITE BUTTON TO SELECT THE MENU, THIS WILL DISPLAY THE SPECIFIC ERROR CODE. THE BLUE/BLACK KEY ARE DISABLED ON THIS

NOTE: See section 3.2.10 of the MEC70C-100 Installation Manual for a complete list of error codes.

SCREEN

PRESS THE WHITE OR RED KEY TO RETURN TO THE IDENT/MAINT. OPTION 10 SCREEN. FROM THIS SCREEN PRESS BLACK TO GO TO EQUIPMENT OPTION MAIN MENU

SYSTEM EDIT MODE 03. EQUIPMENT

03. SYSTEM EDIT MODE – EQUIPMENT

PRESS THE BLACK BUTTON TO SELECT NEXT MENU OPTION SYSTEM EDIT MODE OPTION 3 – EQUIPMENT. PRESS THE WHITE BUTTON TO ENTER THE EQUIPMENT MENU SCREEN.

EQUIPMENT 01. LOOP OPTION
LOOP OPTION 2 LOOP CLOSE
CANCEL : RED KEY SAVE : WHITE KEY
EQUIPMENT 01. LOOP OPTION

EQUIPMENT SUB-MENU 01. LOOP OPTION

PRESS THE WHITE BUTTON TO ENTER THE LOOP OPTION MENU. THIS WILL DISPLAY THE CURRENT LOOP CONFIGURATION.

THERE ARE FOUR POSSIBLE SETTINGS:
No Loop, 2 Loops Far, 2 Loops Close, 3 Loops

NOTE: See section 3.3.1.1 – 3.3.1.4 of the MEC70 Installation Manual for a detailed description of the various loop options.

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THROUGH THE LOOP OPTIONS, WHEN THE DESIRED LOOP CONFIGURATION IS DISPLAYED, PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE LOOP OPTION MAIN SCREEN FROM THIS SCREEN PRESS BLACK TO GO TO EQUIPMENT OPTION #2

MEC70 MAGNETIC STRIPE ENTRY STATION

EQUIPMENT 02. PREPAID TICKET
PREPAID TICKET NO
CANCEL : RED KEY SAVE : WHITE KEY
EQUIPMENT 02. PREPAID TICKET

EQUIPMENT SUB-MENU 02.PREPAID TICKET

THE MEC70 CAN BE USED TO ISSUE AND ACCEPT PREPAID TICKETS. THIS SETTING DETERMINES IF THE UNIT WILL ACCEPT PREPAID TICKETS, THIS SETTING CAN BE EITHER YES OR NO.

IF SET TO YES THE UNIT WILL ACCEPT A PREPAID TICKET, AND IF A VALID TICKET WILL SEND THE OPEN GATE SIGNAL. CONFIGURATION AND ISSUING OF THESE TICKETS IS EXPLAINED LATER IN THIS DOCUMENT, UNDER THE *MAIN MENU OPTION # 6 TICKET & CARD*, FUNCTION.

IF SET TO NO THE UNIT WILL NOT ACCEPT A PREPAID TICKET.

PRESS THE WHITE BUTTON TO SELECT THE MENU, THIS WILL DISPLAY THE PREPAID TICKET SETTING.

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THROUGH THE PREPAID TICKET OPTIONS, WHEN THE DESIRED FUNCTION IS DISPLAYED, PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE EQUIPMENT OPTION 2 MENU

PRESS THE WHITE OR RED KEY TO RETURN TO THE SYSTEM EDIT MODE - EQUIPMENT SCREEN. FROM THIS SCREEN PRESS BLACK TO GO TO THE DATE & TIME OPTION MAIN MENU

SYSTEM EDIT MODE 04. DATE & TIME

04. SYSTEM EDIT MODE - DATE & TIME

PRESS WHITE BUTTON TO ENTER DATE & TIME OPTION MODE

DATE & TIME 01. DATE SEPARATOR
DATE SEPARATOR /

DATE & TIME SUB-MENU 01. DATE SEPARATOR

PRESS WHITE BUTTON AGAIN TO ENTER THE DATE & TIME OPTION 1 SELECTION SCREEN (DATE SEPARATOR)

THE UNIT WILL DISPLAY THE CURRENTLY SELECTED DATE SEPARATOR.

USE THE BLUE / BLACK BUTTON TO SCROLL THROUGH THE DATE SEPARATOR OPTIONS THERE ARE SEVEN OPTIONS FOR THE DATE SEPERATOR: WHEN THE DESIRED DATE SEPARATOR IS DISPLAYED, PRESS THE WHITE BUTTON

DASH	PERIOD	BLANK SPACE	EQUAL SIGN	COMMA	UNDER SCORE	RIGHT SLASH
-	.		=	,	_	/

MEC70 MAGNETIC STRIPE ENTRY STATION

<p>CANCEL : RED KEY</p> <p>SAVE : WHITE KEY</p>
<p>DATE & TIME</p> <p>01. DATE SEPARATOR</p>

DATE & TIME SUB-MENU 01. DATE SEPARATOR (Cont.)

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE DATE & TIME OPTION 1 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO DATE & TIME OPTION #2

<p>DATE & TIME</p> <p>02. DATE FORMAT</p>
<p>DATE FORMAT</p> <p>DD MM YYYY</p>
<p>CANCEL : RED KEY</p> <p>SAVE : WHITE KEY</p>
<p>DATE & TIME</p> <p>02. DATE FORMAT</p>

DATE & TIME SUB-MENU 02. DATE FORMAT

PRESS THE WHITE BUTTON TO ENTER THE DATE FORMAT OPTION MENU. THIS WILL DISPLAY THE CURRENTLY SELECTED DATE FORMAT. THERE ARE THREE POSSIBLE SETTINGS:

DD MM YYYY, MM DD YYYY, YYYY MM DD
(D = DAY, M = MONTH, Y = YEAR).

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THROUGH THE DATE FORMAT OPTIONS, WHEN THE DESIRED DATE FORMAT CONFIGURATION IS DISPLAYED, PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE DATE & TIME OPTION 2 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO DATE & TIME OPTION #3

<p>DATE & TIME</p> <p>03. YEAR</p>
<p>YEAR</p> <p>2000</p>
<p>CANCEL : RED KEY</p> <p>SAVE : WHITE KEY</p>

DATE & TIME SUB-MENU 03. YEAR

PRESS THE WHITE BUTTON TO ENTER THE YEAR OPTION MENU. THIS WILL DISPLAY THE CURRENT YEAR.

THE RANGE FOR THIS SETTING:
1999 - 2099

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THROUGH THE YEAR SETTING OPTION, (USE THE BLACK TO INCREASE, USE THE BLUE TO DECREASE), WHEN THE DESIRED YEAR IS DISPLAYED, PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.



MEC70 MAGNETIC STRIPE ENTRY STATION

DATE & TIME
03. YEAR

DATE & TIME SUB-MENU 03. YEAR (Cont.)

THE UNIT WILL RETURN TO THE DATE & TIME OPTION 3 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO DATE & TIME OPTION #4

DATE & TIME
04. MONTH

DATE & TIME SUB-MENU 04. MONTH

PRESS THE WHITE BUTTON TO ENTER THE MONTH OPTION MENU. THIS WILL DISPLAY THE CURRENT MONTH.

THE RANGE FOR THIS SETTING:
1 - 12

MONTH
1

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THROUGH THE YEAR SETTING OPTION, (USE THE BLACK TO INCREASE, USE THE BLUE TO DECREASE), WHEN THE DESIRED YEAR IS DISPLAYED, PRESS THE WHITE BUTTON.

CANCEL : RED KEY
SAVE : WHITE KEY

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE MONTH OPTION 4 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO DATE & TIME OPTION #5

DATE & TIME
04. MONTH

DATE & TIME
05. DAY

DATE & TIME SUB-MENU 05. DAY

PRESS THE WHITE BUTTON TO ENTER THE DAY OPTION MENU. THIS WILL DISPLAY THE CURRENT DAY OF THE MONTH.

THE RANGE FOR THIS SETTING:
1 - 31 (DEPENDING ON MONTH)

DAY
11

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THROUGH THE YEAR SETTING OPTION, (USE THE BLACK TO INCREASE, USE THE BLUE TO DECREASE), WHEN THE DESIRED YEAR IS DISPLAYED, PRESS THE WHITE BUTTON.

CANCEL : RED KEY
SAVE : WHITE KEY

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE DATE & TIME OPTION 5 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO DATE & TIME OPTION #6

DATE & TIME
05. DAY

MEC70 MAGNETIC STRIPE ENTRY STATION

DATE & TIME 06. TIME FORMAT
TIME FORMAT 12
CANCEL : RED KEY SAVE : WHITE KEY
DATE & TIME 06. TIME FORMAT

DATE & TIME SUB-MENU

06. TIME FORMAT

PRESS THE WHITE BUTTON TO ENTER THE TIME FORMAT OPTION MENU. THIS WILL DISPLAY THE CURRENTLY SELECTED TIME FORMAT.

THERE ARE TWO OPTIONS FOR THIS SETTING:
12 or 24 (12 Hour or 24 Hour Clock Display Format)

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THROUGH THE TIME FORMAT OPTION, WHEN THE DESIRED TIME FORMAT IS DISPLAYED, PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE DATE & TIME OPTION 6 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO DATE & TIME OPTION #7

DATE & TIME 07. HOUR
HOUR 13
CANCEL : RED KEY SAVE : WHITE KEY
DATE & TIME 07. HOUR

DATE & TIME SUB-MENU

07. HOUR

PRESS THE WHITE BUTTON TO ENTER THE HOUR OPTION MENU. THIS WILL DISPLAY THE CURRENT HOUR SETTING.

THE RANGE FOR THIS SETTING:
0 - 23

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THROUGH THE HOUR

NOTE: This value is **ALWAYS** entered using the 24-hour clock

SETTING OPTION, (USE THE BLACK TO INCREASE, USE THE BLUE TO DECREASE), WHEN THE DESIRED HOUR IS DISPLAYED, PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE DATE & TIME OPTION 7 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO DATE & TIME OPTION #8

MEC70 MAGNETIC STRIPE ENTRY STATION

DATE & TIME 08. MINUTE
MINUTE 26
CANCEL : RED KEY SAVE : WHITE KEY
DATE & TIME 08. MINUTE

DATE & TIME SUB-MENU 08. MINUTE

PRESS THE WHITE BUTTON TO ENTER THE MINUTE OPTION MENU. THIS WILL DISPLAY THE CURRENT MINUTE SETTING.

THE RANGE FOR THIS SETTING:
00 - 59

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THROUGH THE MINUTE SETTING OPTION, (USE THE BLACK TO INCREASE, USE THE BLUE TO DECREASE), WHEN THE DESIRED MINUTE IS DISPLAYED, PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE DATE & TIME OPTION 8 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO SYSTEM EDIT MODE OPTION #5.

SYSTEM EDIT MODE CONTROL

05. SYSTEM EDIT MODE - CONTROL

PRESS WHITE BUTTON TO ENTER CONTROL OPTION MODE

CONTROL 01. TICKET ISSUED
TICKET ISSUED ISSUED BY BUTTON
CANCEL : RED KEY SAVE : WHITE KEY
CONTROL 01. TICKET ISSUED

CONTROL SUB-MENU 01. TICKET ISSUED

PRESS WHITE BUTTON AGAIN TO ENTER THE CONTROL OPTION 1 SELECTION SCREEN (TICKET ISSUED). THIS FUNCTION DETERMINES HOW THE UNIT WILL ISSUE A TICKET.

THERE ARE TWO OPTIONS:
Issued By Loop, Issued By Button

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THROUGH THE TICKET ISSUE OPTIONS, WHEN THE DESIRED ISSUE FUNCTION IS DISPLAYED, PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE CONTROL OPTION 1 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO CONTROL OPTION #2

MEC70 MAGNETIC STRIPE ENTRY STATION

CONTROL 02. ISSUED AT FULL
ISSUED AT FULL NO
CANCEL : RED KEY SAVE : WHITE KEY
CONTROL 02. ISSUED AT FULL

CONTROL SUB-MENU 02. ISSUED AT FULL

PRESS THE WHITE BUTTON TO ENTER THE ISSUED AT FULL MENU. THIS FUNCTION DETERMINES IF THE UNIT WILL CONTINUE TO ISSUED TICKETS WHEN THE LOT IS FULL.

THERE ARE TWO OPTIONS FOR THIS FUNCTION:
YES , NO

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THROUGH THE HOUR SETTING OPTION, (USE THE BLACK TO INCREASE, USE THE BLUE TO DECREASE), WHEN THE DESIRED HOUR IS DISPLAYED, PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE CONTROL OPTION 2 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO CONTROL OPTION #3

CONTROL 03. COMPLIMENT TIME
COMPLIMENT TIME 3
CANCEL : RED KEY SAVE : WHITE KEY
CONTROL 03. COMPLIMENT TIME

CONTROL SUB-MENU 03. COMPLIMENT TIME

PRESS THE WHITE BUTTON TO ENTER THE COMPLIMENT TIME MENU. THIS FUNCTION DETERMINES THE COMPLIMENTARY TIME (IN MINUTES) GIVEN TO THE CUSTOMER WHEN ENTERING THE CAR PARK

THERE ARE NINE SETTINGS FOR THIS FUNCTION:

SETTING	0	1	2	3	4	5	6	7	8	9
TIME VALUE	0	5	10	15	20	25	30	35	40	45

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THROUGH THE HOUR SETTING OPTION, (USE THE BLACK TO INCREASE, USE THE BLUE TO DECREASE), WHEN THE DESIRED HOUR IS DISPLAYED, PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE CONTROL OPTION 3 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO CONTROL OPTION #4



MEC70 MAGNETIC STRIPE ENTRY STATION

CONTROL 04. VERIFY ENCODING
VERIFY ENCODING YES
CANCEL : RED KEY SAVE : WHITE KEY
CONTROL 04. VERIFY ENCODING

CONTROL SUB-MENU 04. VERIFY ENCODING

PRESS THE WHITE BUTTON TO ENTER THE VERIFY ENCODING MENU. THIS FUNCTION DETERMINES IF THE UNIT WILL VERIFY THE DATA THAT WAS WRITTEN TO THE TICKET IS CORRECT.

THERE ARE TWO OPTIONS FOR THIS FUNCTION:
YES , NO

PRESS THE BLUE / BLACK BUTTON TO TOGGLE BETWEEN THE VERIFY ENCODING OPTIONS, WHEN THE DESIRED SETTING IS DISPLAYED, PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE CONTROL OPTION 4 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO CONTROL OPTION #5.

CONTROL 05. DGT OUTPUT TIMER
DGT OUTPUT TIMER 0.5
CANCEL : RED KEY SAVE : WHITE KEY
CONTROL 05. DGT OUTPUT TIMER

CONTROL SUB-MENU 05. DGT OUTPUT TIMER (Digital Output Timer)

PRESS THE WHITE BUTTON TO ENTER THE DGT OUTPUT TIMER MENU. THIS FUNCTION DETERMINES THE LENGTH OF TIME (IN SECONDS) THAT THE OUTPUT RELAY CONDITION (OPEN/CLOSED) IS HELD.

THERE ARE FOUR OPTIONS FOR THIS FUNCTION:
0.3, 0.5, 1, & 2 (IN SECONDS)

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THROUGH THE DIGITAL OUTPUT TIMER SETTINGS, (USE THE BLACK TO INCREASE, USE THE BLUE TO DECREASE), WHEN THE DESIRED SETTING IS DISPLAYED, PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE CONTROL OPTION 5 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO CONTROL OPTION #6



MEC70 MAGNETIC STRIPE ENTRY STATION

CONTROL
06. BACK OUT TIMER
BACK OUT TIMER
5
CANCEL : RED KEY
SAVE : WHITE KEY
CONTROL
06. BACK OUT TIMER

CONTROL SUB-MENU 06. BACKOUT TIMER

PRESS THE WHITE BUTTON TO ENTER THE BACKOUT TIMER MENU. THIS FUNCTION DETERMINES THE LENGTH OF TIME (IN SECONDS) BEFORE A GATE CLOSE PULSE IS SENT AFTER A VEHICLE BACKS OUT OF THE ENTRANCE LANE. (SEE 3.5.6 BACKOUT TIMER, IN THE INSTALLATION SECTION OF THIS MANUAL).

THERE ARE NINE OPTIONS FOR THIS FUNCTION:
0, 5, 10, 15, 20, 30, 40, 50, & 60 (IN SECONDS)

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THROUGH THE BACKOUT TIMER SETTINGS, (USE THE BLACK TO INCREASE, USE THE BLUE TO DECREASE), WHEN THE DESIRED SETTING IS DISPLAYED, PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE CONTROL OPTION 6 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO CONTROL OPTION #7

CONTROL
07. ACCESS PULSE
ACCESS PULSE
DISABLE TICKET
CANCEL : RED KEY
SAVE : WHITE KEY
CONTROL
07. ACCESS PULSE

CONTROL SUB-MENU 07. ACCESS PULSE

PRESS THE WHITE BUTTON TO ENTER THE ACCESS PULSE MENU. THIS FUNCTION DETERMINES IF THE UNIT WILL DISABLE THE TICKET ISSUE FUNCTION WHEN AN ACCESS DEVICE (I.E. – KEYCARD) SIGNAL IS RECEIVED BY THE MEC70. (SEE ACCESS PULSE IN THE INSTALLATION MANUAL).

THERE ARE TWO OPTIONS FOR THIS FUNCTION:
DISABLE TICKET, MANUAL TICKET

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THROUGH THE BACKOUT TIMER SETTINGS, WHEN THE DESIRED SETTING IS DISPLAYED, PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE CONTROL OPTION 7 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO CONTROL OPTION #8

CONTROL
08. ACCESS GATE OPEN

CONTROL SUB-MENU 08. ACCESS GATE OPEN

PRESS THE WHITE BUTTON TO ENTER THE ACCESS GATE OPEN MENU. THIS FUNCTION DETERMINES IF THE UNIT WILL SEND A GATE OPEN SIGNAL WHEN AN ACCESS DEVICE (I.E. – KEYCARD) SIGNAL IS RECEIVED BY THE MEC70.



MEC70 MAGNETIC STRIPE ENTRY STATION

ACCESS GATE OPEN
YES

CANCEL : RED KEY
SAVE : WHITE KEY

CONTROL
08. ACCESS GATE OPEN

CONTROL
09. LCD DAY / NIGHT

LCD DAY / NIGHT
7

CONTROL SUB-MENU 08. ACCESS GATE OPEN (Cont.)

PRESS THE WHITE BUTTON TO ENTER THE ACCESS GATE OPEN MENU. THIS FUNCTION DETERMINES IF THE UNIT WILL SEND A GATE OPEN SIGNAL WHEN AN ACCESS DEVICE (I.E. – KEYCARD) SIGNAL IS RECEIVED BY THE MEC70.

THERE ARE TWO OPTIONS FOR THIS FUNCTION:
YES, NO

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THROUGH THE BACKOUT TIMER SETTINGS, WHEN THE DESIRED SETTING IS DISPLAYED, PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE CONTROL OPTION 8 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO CONTROL OPTION #9

CONTROL SUB-MENU 09. LCD DAY / NIGHT

PRESS THE WHITE BUTTON TO ENTER THE LCD DAY / NIGHT MENU. THIS FUNCTION DETERMINES AT WHAT TIME OF DAY THE UNIT WILL CHANGE THE BACKLIGHT/CONTRAST OF THE DISPLAY FROM DAY TO NIGHT MODE. (SEE LCD DAY / NIGHT IN THE INSTALLATION MANUAL).

THERE ARE TWENTY-SIX OPTIONS FOR THIS FUNCTION:

OPTION	RANGE	DESCRIPTION
0	00:00 – 24:00	BACKLIGHT ALWAYS ON
1	05:00 – 17:00	DAYLIGHT MODE 5AM TO 5PM
2	05:00 – 18:00	DAYLIGHT MODE 5AM TO 6PM
3	05:00 – 19:00	DAYLIGHT MODE 5AM TO 7PM
4	05:00 - 20:00	DAYLIGHT MODE 5AM TO 8PM
5	05:00 – 21:00	DAYLIGHT MODE 5AM TO 9PM
6	06:00 – 17:00	DAYLIGHT MODE 6AM TO 5PM
7	06:00 – 18:00	DAYLIGHT MODE 6AM TO 6PM
8	06:00 – 19:00	DAYLIGHT MODE 6AM TO 7PM
9	06:00 - 20:00	DAYLIGHT MODE 6AM TO 8PM
10	06:00 – 21:00	DAYLIGHT MODE 6AM TO 9PM
11	07:00 – 17:00	DAYLIGHT MODE 7AM TO 5PM
12	07:00 – 18:00	DAYLIGHT MODE 7AM TO 6PM
13	07:00 – 19:00	DAYLIGHT MODE 7AM TO 7PM
14	07:00 - 20:00	DAYLIGHT MODE 7AM TO 8PM
15	07:00 – 21:00	DAYLIGHT MODE 7AM TO 9PM
16	08:00 – 17:00	DAYLIGHT MODE 8AM TO 5PM
17	08:00 – 18:00	DAYLIGHT MODE 8AM TO 6PM
18	08:00 – 19:00	DAYLIGHT MODE 8AM TO 7PM
19	08:00 - 20:00	DAYLIGHT MODE 8AM TO 8PM
20	08:00 – 21:00	DAYLIGHT MODE 8AM TO 9PM
21	09:00 – 17:00	DAYLIGHT MODE 9AM TO 5PM
22	09:00 – 18:00	DAYLIGHT MODE 9AM TO 6PM
23	09:00 – 19:00	DAYLIGHT MODE 9AM TO 7PM
24	09:00 - 20:00	DAYLIGHT MODE 9AM TO 8PM
25	09:00 – 21:00	DAYLIGHT MODE 9AM TO 9PM



MEC70 MAGNETIC STRIPE ENTRY STATION

CANCEL : RED KEY SAVE : WHITE KEY
CONTROL 09. LCD DAY / NIGHT

CONTROL SUB-MENU 09. LCD DAY / NIGHT

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THROUGH THE LCD DAY / NIGHT SETTINGS, (USE THE BLACK TO INCREASE, USE THE BLUE TO DECREASE), WHEN THE DESIRED SETTING IS DISPLAYED, PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE CONTROL OPTION 9 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO CONTROL OPTION #10

CONTROL 10. LCD BACKLIGHT 1
LCD BACKLIGHT 1 LEVEL 3
CANCEL : RED KEY SAVE : WHITE KEY
CONTROL 10. LCD BACKLIGHT 1

CONTROL SUB-MENU 10. LCD BACKLIGHT 1

PRESS THE WHITE BUTTON TO ENTER THE LCD BACKLIGHT 1 MENU. THIS FUNCTION DETERMINES THE BRIGHTNESS LEVEL OF THE BACKLIGHT DURING DAYLIGHT.

THERE ARE SIX OPTIONS FOR THIS FUNCTION:
Level 1, Level 2, Level 3, Level 4, Level 5, Level 6
(Level 6 = Brightest)

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THROUGH THE BACKLIGHT 1 SETTINGS, (USE THE BLACK TO INCREASE, USE THE BLUE TO DECREASE), WHEN THE DESIRED SETTING IS DISPLAYED, PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE CONTROL OPTION 10 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO CONTROL OPTION #11

CONTROL 11. LCD CONTRAST 1
LCD CONTRAST 1 LEVEL 3
CANCEL : RED KEY SAVE : WHITE KEY

CONTROL SUB-MENU 11. LCD CONTRAST 1

PRESS THE WHITE BUTTON TO ENTER THE LCD CONTRAST 1 MENU. THIS FUNCTION DETERMINES THE CONTRAST LEVEL OF THE BACKLIGHT DURING DAYLIGHT.

THERE ARE SIX OPTIONS FOR THIS FUNCTION:
Level 1, Level 2, Level 3, Level 4, Level 5, Level 6
(Level 6 = Maximum Contrast)

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THROUGH THE BACKLIGHT 1 SETTINGS, (USE THE BLACK TO INCREASE, USE THE BLUE TO DECREASE), WHEN THE DESIRED SETTING IS DISPLAYED, PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.



MEC70 MAGNETIC STRIPE ENTRY STATION

CONTROL
11. LCD CONTRAST 1

CONTROL SUB-MENU 11. LCD CONTRAST 1 (Cont.)

THE UNIT WILL RETURN TO THE CONTROL OPTION 10 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO CONTROL OPTION #11

CONTROL
12. LCD BACKLIGHT 2

CONTROL SUB-MENU 12. LCD BACKLIGHT 2

PRESS THE WHITE BUTTON TO ENTER THE LCD BACKLIGHT 2 MENU. THIS FUNCTION DETERMINES THE BRIGHTNESS LEVEL OF THE BACKLIGHT DURING THE NIGHT.

LCD BACKLIGHT 2
LEVEL 5

THERE ARE SIX OPTIONS FOR THIS FUNCTION:
Level 1, Level 2, Level 3, Level 4, Level 5, Level 6
(Level 6 = Brightest)

CANCEL : RED KEY
SAVE : WHITE KEY

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THROUGH THE BACKLIGHT 1 SETTINGS, (USE THE BLACK TO INCREASE, USE THE BLUE TO DECREASE), WHEN THE DESIRED SETTING IS DISPLAYED, PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

CONTROL
12. LCD BACKLIGHT 2

THE UNIT WILL RETURN TO THE CONTROL OPTION 12 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO CONTROL OPTION #13

CONTROL
13. LCD CONTRAST 2

CONTROL SUB-MENU 13. LCD CONTRAST 2

PRESS THE WHITE BUTTON TO ENTER THE LCD CONTRAST 2 MENU. THIS FUNCTION DETERMINES THE CONTRAST LEVEL OF THE BACKLIGHT DURING THE NIGHT.

LCD CONTRAST 2
LEVEL 3

THERE ARE SIX OPTIONS FOR THIS FUNCTION:
Level 1, Level 2, Level 3, Level 4, Level 5, Level 6
(Level 6 = Maximum Contrast)

CANCEL : RED KEY
SAVE : WHITE KEY

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THROUGH THE BACKLIGHT 1 SETTINGS, (USE THE BLACK TO INCREASE, USE THE BLUE TO DECREASE), WHEN THE DESIRED SETTING IS DISPLAYED, PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL

CONTROL
13. LCD CONTRAST 2

THE UNIT WILL RETURN TO THE CONTROL OPTION 13 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO CONTROL OPTION #14.

MEC70 MAGNETIC STRIPE ENTRY STATION

CONTROL 14. CUTTING POSITION
CUTTING POSITION 0
CUTTING POSITION - 2
CANCEL : RED KEY SAVE : WHITE KEY
CONTROL 14. CUTTING POSITION
01 / 01 / 2000 11:00 AM

CONTROL SUB-MENU 14. CUTTING POSITION

PRESS THE WHITE BUTTON TO ENTER THE CUTTING POSITION MENU. THIS FUNCTION IS USED TO ADJUST THE TICKET CUTTER POSITION. IF THE TICKET CUT POSITION REQUIRES ADJUSTMENT THIS FUNCTION WILL ADJUST WHERE THE TICKET IS CUT.

THE CUTTING POSITION CAN BE ADJUSTED BY A FACTOR OF ± 7 ADJUSTMENT FACTORS ARE APPLIED TO THE CURRENT SETTING (0). (-) MINUS FACTORS WILL MOVE THE CUT FORWARD OF THE CURRENT POSITION, (+) PLUS ADJUSTMENTS WILL MOVE THE CUT BACK FROM THE CURRENT POSITION. (See Illustration Below).

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THROUGH THE CUTTING POSITION SETTINGS, (USE THE BLACK TO INCREASE (+) VALUE, USE THE BLUE TO DECREASE (-), VALUE WHEN THE DESIRED SETTING IS DISPLAYED, PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

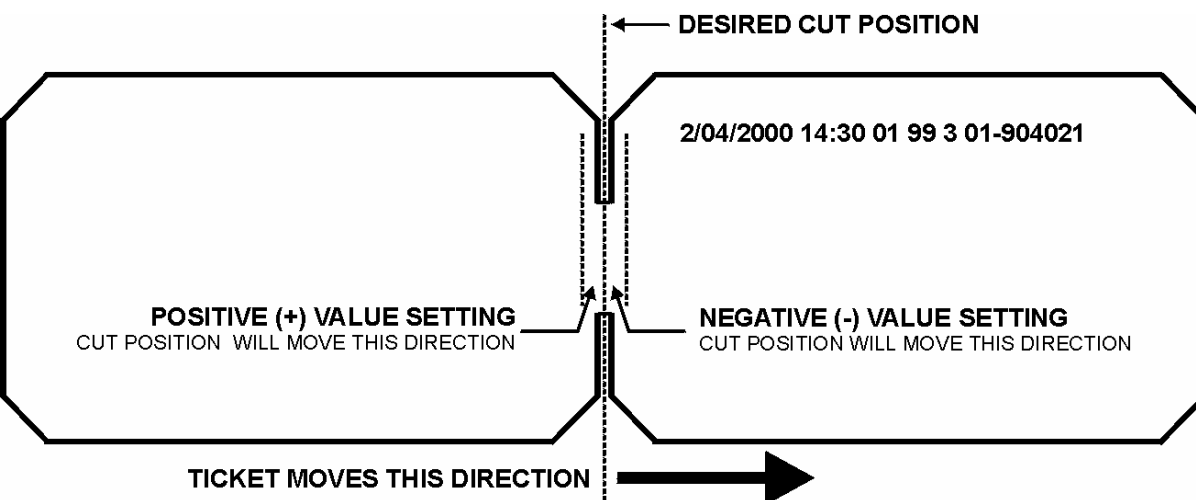
PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL

THE UNIT WILL RETURN TO THE CONTROL OPTION 14 MENU SCREEN FROM THIS SCREEN PRESS THE RED BUTTON TWO (2) TIMES. THE USER WILL BE AT THE TICKET ISSUE MENU SCREEN.

PRESS AND RELEASE THE RESET / TEST TICKET BUTTON THE UNIT WILL ISSUE A TEST TICKET, VERIFY CUT POSITION. (IF A TICKET IS CUT BUT DOES NOT EXIT THE TICKET THROAT, THE TICKET IS TOO SHORT AND WILL BE DROPPED INTO THE TICKET BIN).

IF AN **OUT OF ORDER** MESSAGE IS DISPLAYED WHEN THE USER ATTEMPTS TO PERFORM A "TEST TICKET" FUNCTION. THE USER NEEDS TO RESET THE MEC70, PRESS AND HOLD THE RESET / TEST TICKET BUTTON FOR THREE (3) SECONDS TO RESET THE UNIT. AFTER THE UNIT RESETS (APPROX. 5 SECONDS) PRESS THE TEST TICKET BUTTON TO ISSUE A TEST TICKET, VERIFY THE CUT POSITION.

IF THE CUT IS CORRECT, THE USER IS DONE. IF THE CUT IS INCORRECT, REPEAT THE ADJUST CUTTING POSITION PROCEDURE.





MEC70 MAGNETIC STRIPE ENTRY STATION

SYSTEM EDIT MODE
06. TICKET & CARD

06. SYSTEM EDIT MODE – TICKET & CARD

PRESS WHITE BUTTON TO ENTER TICKET & CARD OPTION MODE

TICKET & CARD
01. TICKET NUMBER

TICKET & CARD SUB-MENU

01. TICKET NUMBER

THIS IS AN ADJUSTABLE SIX DIGIT NUMBER THAT DETERMINES THE NEXT TICKET NUMBER THAT IS ENCODED ON THE MAG-STRIP AND IMPRINTED ON THE TICKET STOCK. THE NUMBER THAT IS ENTERED WILL BE THE NEXT TICKET THAT IS ISSUED.

TICKET NUMBER
00100 <u>5</u>

PRESS THE WHITE BUTTON TO SELECT THE TICKET NUMBER MENU. THIS WILL DISPLAY THE CURRENT TICKET NUMBERS.

TICKET NUMBER
00100 <u>0</u>

PRESS THE BLUE / BLACK BUTTON TO MOVE THE CURSOR TO THE NUMBER POSITION THAT IS TO BE CHANGED (PRESS BLACK TO MOVE TO THE RIGHT, OR BLUE TO MOVE TO THE LEFT), WHEN THE DESIRED NUMBER IS SELECTED, PRESS THE WHITE BUTTON TO EDIT THE VALUE FOR THE SELECTED NUMBER.

CANCEL : RED KEY
SAVE : WHITE KEY

PRESS THE BLACK BUTTON TO INCREASE THE VALUE, USE THE BLUE BUTTON TO DECREASE THE VALUE, WHEN THE DESIRED VALUE IS DISPLAYED, PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

TICKET NUMBER
00100 <u>0</u>

THE UNIT WILL RETURN TO THE TICKET NUMBER DISPLAY, IF ANOTHER DIGIT NEEDS TO BE ADJUSTED MOVE THE CURSOR TO THE NEXT NUMBERS POSITION, PERFORM THE STEPS ABOVE FOR ALL DIGITS THAT ARE TO BE CHANGED.

EXAMPLE: *If you are changing one value, 001005 to 001000, you need only change one digit.*

If you are changing multiple values, 001005 to 001100, you will need to change two or more digits.

TICKET & CARD
01. TICKET NUMBER

ONCE THE LAST DIGIT TO BE CHANGED HAS BEEN EDITED AND SAVED UNIT WILL RETURN TO THE TICKET NUMBER DISPLAY.

PRESS THE RED BUTTON TO RETURN TO THE TICKET & CARD OPTION 01 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO TICKET & CARD OPTION #2



MEC70 MAGNETIC STRIPE ENTRY STATION

TICKET & CARD 02. RATE NUMBER
RATE NUMBER 00
CANCEL : RED KEY SAVE : WHITE KEY
TICKET & CARD 02. RATE NUMBER

TICKET & CARD SUB-MENU 02. RATE NUMBER

PRESS THE WHITE BUTTON TO ENTER THE RATE NUMBER MENU. THIS FUNCTION DETERMINES THE DEFAULT (STANDARD) RATE CODE TO ENCODE / IMPRINT ON THE TICKET.

THERE ARE EIGHT OPTIONS FOR THIS FUNCTION:
00, 01, 02, 03, 04, 05, 06, OR 07

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THROUGH THE RATE NUMBER SETTINGS, (USE THE BLACK TO INCREASE, USE THE BLUE TO DECREASE), WHEN THE DESIRED SETTING IS DISPLAYED, PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE TICKET & CARD OPTION 2 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO CONTROL OPTION #3

TICKET & CARD 03. ALTERNATE RATE 1
ALTERNATE RATE 1 01
CANCEL : RED KEY SAVE : WHITE KEY
TICKET & CARD 03. ALTERNATE RATE 1

TICKET & CARD SUB-MENU 03. ALTERNATE RATE 1

PRESS THE WHITE BUTTON TO ENTER THE ALTERNATE RATE 1 MENU. IF THIS CONDITION IS DETECTED THE ALTERNATE RATE 1 RATE CODE WILL BE ENCODED / IMPRINTED ON THE TICKET. THIS ALTERNATE RATE CONDITION WILL OVERRIDE THE STANDARD RATE FOR FEE CALCULATION.

THERE ARE EIGHT OPTIONS FOR THIS FUNCTION:
00, 01, 02, 03, 04, 05, 06, OR 07

NOTE: See section 3.7.3 of the MEC70 Installation Manual for a detailed description of the Alternate Rate function

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THROUGH THE RATE NUMBER SETTINGS, (USE THE BLACK TO INCREASE, USE THE BLUE TO DECREASE), WHEN THE DESIRED SETTING IS DISPLAYED, PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE TICKET & CARD OPTION 3 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO TICKET & CARD OPTION #4

MEC70 MAGNETIC STRIPE ENTRY STATION

TICKET & CARD 04. ALTERNATE RATE 2
ALTERNATE RATE 2 05
CANCEL : RED KEY SAVE : WHITE KEY
TICKET & CARD 04. ALTERNATE RATE 2

TICKET & CARD SUB-MENU 04. ALTERNATE RATE 2

PRESS THE WHITE BUTTON TO ENTER THE ALTERNATE RATE 2 MENU. IF THIS CONDITION IS DETECTED THE ALTERNATE RATE 2 RATE CODE WILL BE ENCODED / IMPRINTED ON THE TICKET. THIS ALTERNATE RATE CONDITION WILL OVERRIDE THE STANDARD RATE AND THE ALTERNATE RATE 1 FOR FEE CALCULATION.

THERE ARE EIGHT OPTIONS FOR THIS FUNCTION:
00, 01, 02, 03, 04, 05, 06, OR 07

NOTE: See section 3.7.4 of the MEC70 Installation Manual for a detailed description of the Alternate Rate function.

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THROUGH THE RATE NUMBER SETTINGS, (USE THE BLACK TO INCREASE, USE THE BLUE TO DECREASE), WHEN THE DESIRED SETTING IS DISPLAYED, PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE TICKET & CARD OPTION 4 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO TICKET & CARD OPTION #5

TICKET & CARD 05. EVENT TICKET DAYS
EVENT TICKET DAYS 03
CANCEL : RED KEY SAVE : WHITE KEY
TICKET & CARD 05. EVENT TICKET DAYS

TICKET & CARD SUB-MENU 05. EVENT TICKET DAYS

PRESS THE WHITE BUTTON TO ENTER THE EVENT TICKET DAYS MENU.

THIS FUNCTION WILL ADD THIS VALUE TO THE CURRENT DATE TO DETERMINE HOW LONG IN DAYS THE EVENT TICKET WILL BE GOOD FOR.

THE EVENT TICKET DAY VALUE CAN BE FROM:
0 TO 99

NOTE: See section 3.7.5 of the MEC70 Installation Manual for a detailed description of the Event Ticket Days function.

PRESS THE BLUE / BLACK BUTTON TO TOGGLE THROUGH THE RATE NUMBER SETTINGS, (USE THE BLACK TO INCREASE, USE THE BLUE TO DECREASE), WHEN THE DESIRED SETTING IS DISPLAYED, PRESS THE WHITE BUTTON.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE TICKET & CARD OPTION 5 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO TICKET & CARD OPTION #6

NOTE: See section 3.7.7 of the MEC70 Installation Manual for a detailed description of the Event Ticket printing procedure.

This is Step 1 of a two-step process. See Ticket & Card Sub-menu 06. # Event Ticket for part 2.



MEC70 MAGNETIC STRIPE ENTRY STATION

TICKET & CARD
06. # EVENT TICKET

TICKET & CARD SUB-MENU 06. # EVENT TICKET

NOTE: See section 3.7.6 of the MEC70C-100 Installation Manual for a detailed description of the # Event Ticket printing procedure.

EVENT TICKET
000

THIS IS AN ADJUSTABLE THREE DIGIT NUMBER THAT DETERMINES HOW MANY SEQUENTIALLY NUMBERED EVENT TICKETS WILL BE PRINTED. THE MAXIMUM NUMBER OF TICKETS THAT CAN BE PRINTED AT ONE TIME IS 999 IF MORE TICKETS ARE REQUIRED, PERFORM THIS FUNCTION UNTIL THE QUANTITY DESIRED HAS BEEN PRINTED.

EVENT TICKET
100

THE EVENT TICKET DAY VALUE CAN BE FROM:
1 TO 999

PRESS THE WHITE BUTTON TO ENTER THE # EVENT TICKET MENU. THIS WILL DISPLAY A NUMBER. THE NUMBER REPRESENTS THE QUANTITY OF TICKETS THAT WERE PRINTED THE LAST TIME THIS FUNCTION WAS PERFORMED.

CANCEL : RED KEY
SAVE : WHITE KEY

NOTE: This number will reset to zero if the unit has been powered off.

EVENT TICKET
100

PRESS THE BLUE / BLACK BUTTON TO MOVE THE CURSOR TO THE NUMBER POSITION THAT IS TO BE CHANGED (PRESS BLACK TO MOVE TO THE RIGHT, OR BLUE TO MOVE TO THE LEFT), WHEN THE DESIRED NUMBER IS SELECTED, PRESS THE WHITE BUTTON TO EDIT THE VALUE FOR THE SELECTED NUMBER.

PRESS THE BLACK BUTTON TO INCREASE THE VALUE, USE THE BLUE BUTTON TO DECREASE THE VALUE, WHEN THE DESIRED VALUE IS DISPLAYED, PRESS THE WHITE BUTTON.

TICKET & CARD
06. # EVENT TICKET

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE TICKET NUMBER DISPLAY, IF ANOTHER DIGIT NEEDS TO BE ADJUSTED MOVE THE CURSOR TO THE NEXT NUMBERS POSITION, PERFORM THE STEPS ABOVE FOR ALL DIGITIS THAT ARE TO BE CHANGED.

EXAMPLE: If you are changing one value, 000 to 100, you need only change one digit. If you are changing multiple values, 0 0 0 to 1 5 0, you will need to change two or more digits.

01 / 14 / 2000 11:00 PM
PLEASE PRINT EVENT
TICKETS

ONCE THE LAST DIGIT TO BE CHANGED HAS BEEN EDITED AND SAVED UNIT WILL RETURN TO THE TICKET NUMBER DISPLAY.

01 / 14 / 2000 11:01 PM
PLEASE PRINT EVENT
TICKETS 047

PRESS THE RED BUTTON THREE TIMES TO RETURN TO THE TICKET & CARD OPTION 06 MENU SCREEN. THE UNIT WILL PROMPT THE USER TO BEGIN PRINTING.

TO BEGIN PRINTING PRESS AND HOLD THE TICKET ISSUE BUTTON ON THE FRONT OF THE DISPENSER. WITH THE TICKET ISSUE BUTTON DEPRESSED, PRESS THE RESET BUTTON THEN RELEASE BOTH BUTTONS. THE UNIT WILL BEGIN PRINTING THE TICKET QUANTITY ENTERED, THE DISPLAY WILL COUNT DOWN UNTIL ALL TICKETS HAVE BEEN PRINTED.

MEC70 MAGNETIC STRIPE ENTRY STATION

01 / 14 / 2000 11:03 PM

PRINT COMPLETED
WAIT SYSTEM RESET

01 / 14 / 2000 11:05 PM

USE PUSH BUTTON OR
INSERT TICKET

TICKET & CARD SUB-MENU 06. # EVENT TICKET (Cont.)

ONCE THE UNIT HAS COMPLETED PRINTING AND THE LAST TICKET EVENT TICKET HAS BEEN REMOVED FROM THE TICKET ISSUE SLOT, THE UNIT WILL RESET TO THE DEFAULT TICKET ISSUE MODE.

NOTE: See section 3.7.5 of the MEC70C-100 Installation Manual for a detailed description of the Event Ticket printing procedure.

This is Step 2 of a two step process. See Ticket & Card Sub-menu 05. Event Ticket Days for part 1.

SYSTEM EDIT MODE

07. DIGITAL INPUT

07. SYSTEM EDIT MODE – DIGITAL INPUT

PRESS WHITE BUTTON TO ENTER DIGITAL INPUT OPTION MODE

DIGITAL INPUT

01. INPUT 6

DIGITAL INPUT SUB-MENU 01. INPUT 6

INPUT 6

ALTERNATE RATE 1

NOTE: There are three digital inputs that can be manually configured. This document will only describe the procedure for configuring one of the digital inputs. The process is performed the same way for each of the manually configured digital inputs, with the following limitation: The same input condition can **only** be assigned to one of the available Digital Input positions. If the same input condition is assigned to multiple positions only the first is used, the controller automatically changes the duplicate to NONE.

EXAMPLE: If TICKET STACK LOW is assigned to Digital Input 6 & 7, the controller will change Digital Input 7 to NONE. If the input is physically connected to Input 7, then the TICKET STACK LOW will not work.

THERE ARE SEVEN INPUT CONDITIONS THAT CAN BE ASSIGNED TO THE DIGITAL INPUT POSITIONS, THEY ARE:

INPUT CONDITION	DEFINITION
TICKET STACK LOW	This Input will cause a ticket low indication. (On-line version only).
LOT FULL	This Input signal causes the Lot Full conditions. (See the System Edit Mode: 05.Control Menu \ 02. Issued At Full sub-menu. Also Section 3.5.2 and 3.7.5 of the MEC70 Installation Manual for a detailed description of the Lot Full Condition).
DISABLE TICKET	This external system Input signal will disable the ticket issue \ read ticket function. (See Section 3.7.6 of the MEC70 Installation Manual for a detailed description of the Disable Ticket Condition).
GATE FAULT	This Input indicates boom broken or gate fault. (On-line version only).
ACCESS PULSE	This Input signal will disable the ticket issue \ read ticket function. (See the System Edit Mode : 05.Control Menu \ 07. Access Pulse sub-menu. Also Section 3.5.7 of the MEC70 Installation Manual for a detailed description of the Access Pulse setting).
NONE	This Input is not used (default setting)
ALTERNATE RATE 1	This Input will cause the Alternate Rate 1 Code to be encoded / imprinted on the ticket.
ALTERNATE RATE 2	This Input will cause the Alternate Rate 2 Code to be encoded / imprinted on the ticket.

MEC70 MAGNETIC STRIPE ENTRY STATION

CANCEL : RED KEY

SAVE : WHITE KEY

DIGITAL INPUT

01. INPUT 6

DIGITAL INPUT

02. INPUT 7

DIGITAL INPUT SUB-MENU INPUT 6 (Cont.)

FROM THE SYSTEM EDIT MODE OPTION 7 (DIGITAL INPUT) SCREEN PRESS THE WHITE BUTTON TO ENTER THE DIGITAL INPUT MENU.

PRESS THE BLUE / BLACK BUTTON TO MOVE THE CURSOR TO THE DESIRED DIGITAL INPUT (6, 7, OR 8) THAT IS TO BE CHANGED. WHEN THE DESIRED INPUT IS DISPLAYED, PRESS THE WHITE BUTTON TO EDIT THE CONDITION FOR THE SELECTED INPUT.

PRESS THE BLUE / BLACK BUTTON TO DISPLAY THE DESIRED INPUT CONDITION IS DISPLAYED, (*See Table Previous Page*), THEN PRESS THE WHITE BUTTON TO SET THE CONDITION.

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE DIGITAL INPUT OPTION 1 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO DIGITAL INPUT OPTION #2

IF NO OTHER DIGITAL INPUTS ARE TO BE SET, PRESS THE RED KEY TO RETURN TO THE SYSTEM EDIT OPTION 7 SCREEN. IF ADDTION DIGITAL INPUTS ARE TO BE SET, REPEAT THE PROCEDURE DESCRIBED ABOVE.

FROM THE SYSTEM EDIT OPTION 7 (DIGITAL INPUT) SCREEN PRESS THE BLACK BUTTON TO GO TO THE SYSTEM EDIT OPTION 8 SCREEN.

SYSTEM EDIT MODE

08. RELAY OUTPUTS

08. SYSTEM EDIT MODE – RELAY OUTPUTS

PRESS WHITE BUTTON TO ENTER RELAY OUTPUTS OPTION MODE

MEC70 MAGNETIC STRIPE ENTRY STATION

RELAY OUTPUT 01. OUTPUT 2
OUTPUT 2 MAINTENANCE ERROR
CANCEL : RED KEY SAVE : WHITE KEY
RELAY OUTPUT 01. OUTPUT 2
01 / 01 / 2000 11:00 AM USE PUSH BUTTON OR INSERT TICKET

RELAY OUTPUTS SUB-MENU

01. OUTPUT 2

NOTE: *There are three relay outputs that can be manually configured. This document will only describe the procedure for configuring one of the relay outputs. The process is performed the same way for each of the manually configured relay outputs, with the following limitation: The same output condition can **only** be assigned to one of the available Relay output positions. If the same output condition is assigned to multiple positions only the first is used, the controller automatically changes the duplicate to None*

EXAMPLE: *If BUZZER is assigned to Relay Output 2 & 3, the controller will change Relay Output 3 to NONE. If the relay is physically connected to output 3, then the BUZZER will not work.*

THERE ARE FIVE OUTPUT CONDITIONS THAT CAN BE ASSIGNED TO THE RELAY OUTPUT POSITIONS, THEY ARE:

OUTPUT CONDITION	DEFINITION
GATE CLOSE	This Output will cause a Gate Close Signal to be sent to the gate. <i>(3-loop configuration only).</i>
MAINTENANCE ERROR	This Output is for a maintenance indicator. <i>(See Section 3.2.10 of the MEC70 Installation Manual for Maintenance Error Conditions).</i>
BUZZER	This Output will cause an external buzzer to sound each time a ticket is issued.
NONE	This Input is not used (default setting)

FROM THE SYSTEM EDIT MODE OPTION 8 (OUTPUT RELAYS) SCREEN PRESS THE WHITE BUTTON TO ENTER THE RELAY OUTPUT MENU.

PRESS THE BLUE / BLACK BUTTON TO MOVE THE CURSOR TO THE DESIRED RELAY OUTPUT (2, 3, OR 4) THAT IS TO BE CHANGED. WHEN THE DESIRED RELAY OUTPUT IS DISPLAYED, PRESS THE WHITE BUTTON TO EDIT THE CONDITION FOR THE SELECTED OUTPUT RELAY.

PRESS THE BLUE / BLACK BUTTON TO UNTIL THE DESIRED OUTPUT CONDITION IS DISPLAYED, (SEE TABLE ABOVE), THEN PRESS THE WHITE BUTTON TO SET THE CONDITION

THE USER WILL BE PROMPTED TO CANCEL OR SAVE THE SETTING.

PRESS THE WHITE BUTTON TO SAVE, RED TO CANCEL.

THE UNIT WILL RETURN TO THE RELAY OUTPUT 2 MENU SCREEN FROM THIS SCREEN PRESS THE BLACK BUTTON TO GO TO RELAY OUTPUT 3

IF NO OTHER RELAY OUTPUTS ARE TO BE SET, PRESS THE RED KEY TO RETURN TO THE SYSTEM EDIT OPTION 8 SCREEN. IF ADDTION RELAY OUTPUTS ARE TO BE SET, REPEAT THE PROCEDURE DESCRIBED ABOVE.

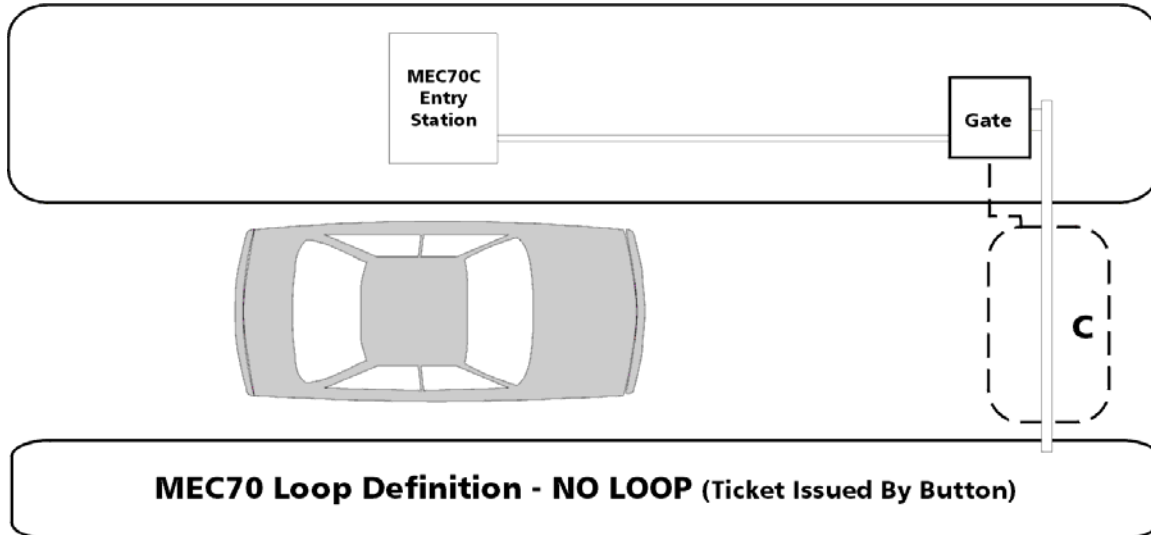
FROM THE SYSTEM EDIT OPTION 8 (RELAY OUTPUTS) SCREEN PRESS THE BLACK BUTTON TO EXIT THE SYSTEM EDIT MODE AND RETURN TO TICKET ISSUING MODE, THEN PRESS THE RESET BUTTON TO RE-INITIALIZE THE ENTRY STATION.



APPENDIX

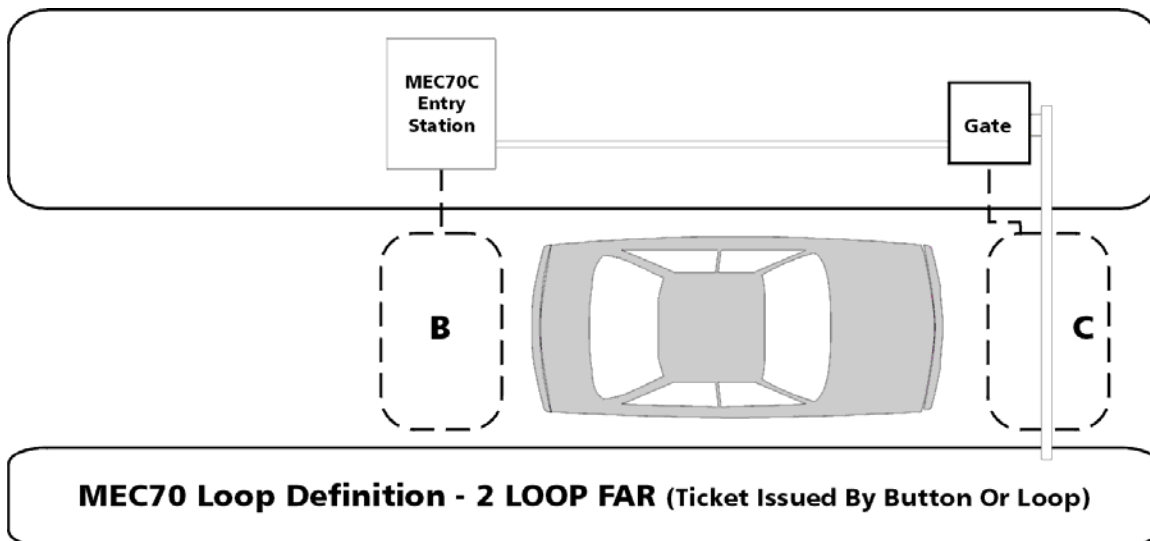
Appendix B

MEC7* LOOP DEFINITIONS



NO LOOP (See 3.3.1.1)

This entry lane has "NO LOOP" in front of the MEC70 Entry Station. There is only a Safety Loop ("C") present in the lane. Ticket is issued and the vehicle enters the car park, when the Safety Loop is cleared (or times out) the gate closes



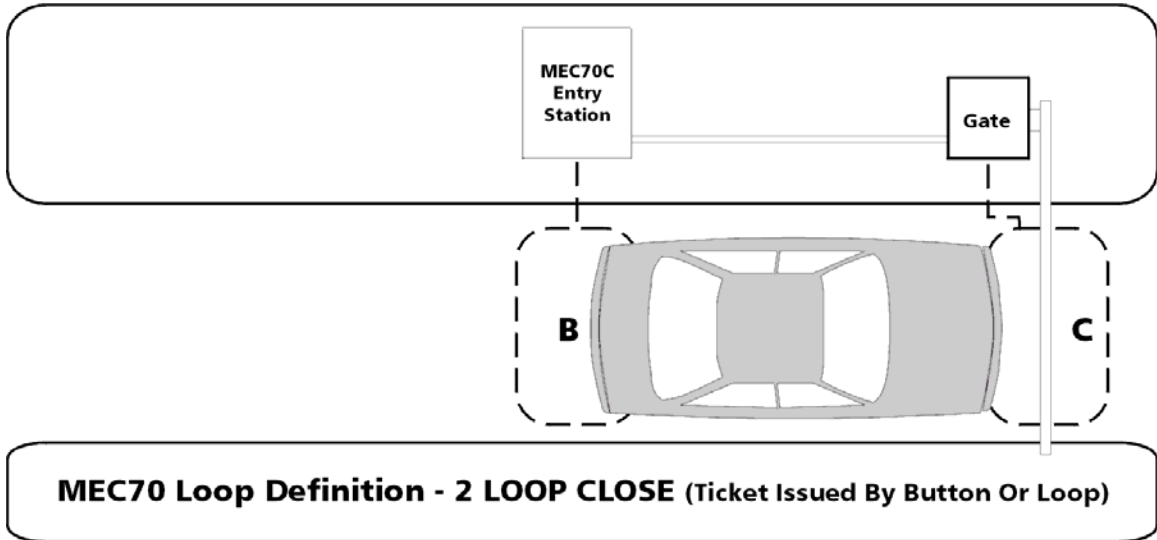
TWO LOOP FAR (See 3.3.1.2)

This entry lane has a Safety Loop ("C") and a single Presence Loop ("B") in front of the MEC70 Entry Station.

Ticket is issued and the vehicle begins to enter the car park, the following condition exists:

The distance between loop B and loop C is greater than the length of the vehicle. A vehicle will "disappear" (not be detected) by either loop B or loop C.

MEC7* MAGNETIC STRIPE ENTRY STATION

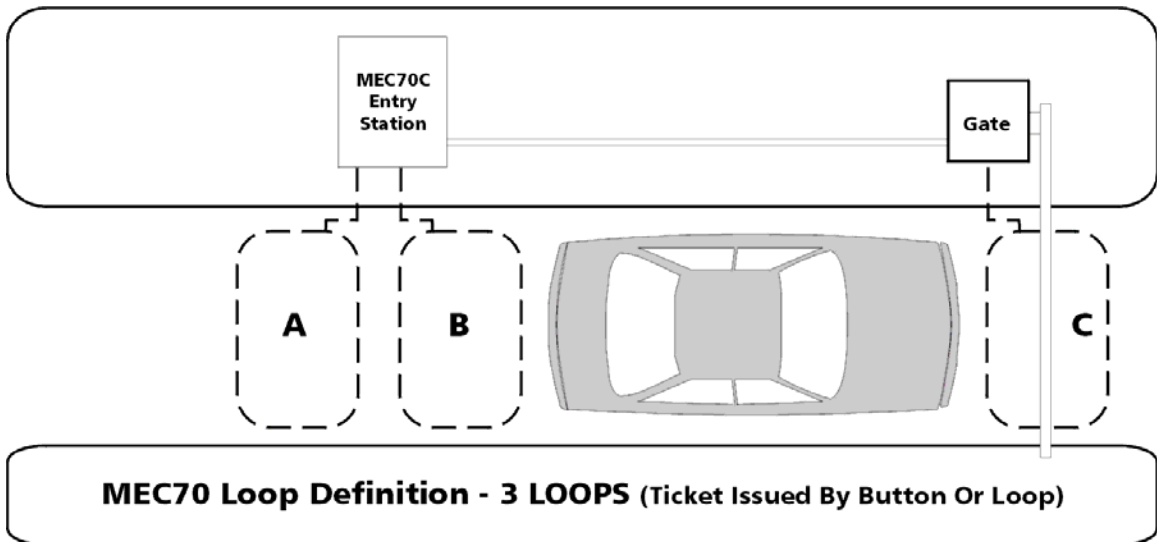


TWO LOOP CLOSE (See 3.3.1.3)

This entry lane has a Safety Loop ("C") and a single Presence Loop ("B") in front of the MEC70 Entry Station.

Ticket is issued and the vehicle begins to enter the car park, the following condition exists:

The distance between loop B and Loop C is less than the length of the vehicle. A vehicle is detected by both loop B and loop C at the same time.



THREE LOOPS (See 3.3.1.4)

This entry lane has a Safety Loop ("C") and two Presence Loops ("A" and "B") in front of the MEC70 Entry Station.

A vehicle is detected by both loop A and B to issue the ticket, the ticket is issued and the vehicle begins to enter the car park, the following condition exists:

The distance between loop B and Loop C is greater than the length of the vehicle., controller logic waits to see loop status to determine if the vehicle entered or backed out..

Appendix D

GENERAL MAINTENANCE

By establishing a regular maintenance program, you will extend the life of your equipment, prevent data loss, and save money by reducing the number of service calls and equipment downtime.

GENERAL INSPECTION:

Inspect all drive belts, moving parts for wear, oxidation and general cleanliness. Clean sensors; ticket feed tracks and any moving parts by blowing off with air. Make sure that sensors are clear of any dirt or paper. General cleaning and inspection should be performed whenever the paper is replaced or once every three months at a maximum.

CLEANING THE MAGNETIC HEAD:

To remove foreign materials or clean the magnetic head of dirt use the provided cleaning card. The cards are pre-saturated; disposable cleaning cards designed to safely and effectively remove dirt, magnetic oxides and other contaminants from the concealed magnetic heads and sensors on the ticket mechanism.

RECOMMENDED USAGE: Every time the ticket stock is changed (4,000 to 5,000 tickets) or once every (30) thirty-days at a maximum. High volume usage may require more frequent cleaning.

DIRECTIONS FOR USE:

1. Open the cleaning card pouch and remove the Cleaning Card.
2. Insert the Head Cleaning Card into the ticket machine 5 –6 times in the same manner as you would a pre-paid ticket.
3. After the Head Cleaning Card has been run through the ticket head mechanism wait 60 seconds before starting normal operation, this will allow the cleaning fluid time to dry out.
4. Re-insert the Head Cleaning Card into the reader to remove stubborn contaminants.
5. Discard the Head Cleaning Card after use.

CLEANING THE ROLLERS:

Inspect the rollers for dirt and wear, blow off with air. To remove foreign materials or to clean the rollers scrub roller with a clean soft, fibrous cloth saturated with 99.99% Isopropyl Alcohol. Wait 60 seconds before starting normal operation; this will allow the cleaning fluid time to dry out. (Figure 1 & 2).



MEC7* MAGNETIC STRIPE ENTRY STATION

Notes: