Info

M1E

Induction loop detector
M1E single detector

Presence vehicle detection for parking control and gate/barriers applications

Special characteristics:

- Plastic enclosure with 11-pin plug
- Connection with din rail socket or wiring harness
- Micro processor controlled
- Isolation transformer between loop and detector and electronics
- Connection jack for on-line diagnostic unit
- Automatic calibration when switching on or when resetting
- Unlimited holding time possible
- Adjustment of rising or falling edge pulse output
- Indication with LED's
- All adjustments are made with DIP switches

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Info

MAGNETIC AUTOCONTROL™

Technical data

Power supply		120 V AC, 24 V AC, 24 V DC +/- 10%
Power consumption		max. 3 VA; protection class II
Working temperature		-20°C - +70°C
Inductance range		70 - 700 µH
Frequency range		30 - 130 kHz
Sensitivity range		0,01% - 0,65% (df/f)
Loop lead-in		max. 750 feet
Signal outputs:	VEK M1E	1 permanent relay with change over contact, principle of rest current 1 pulse relay with contact n. o., principle of operation current
Switching power		max. 60 W / 125 VA
Switching voltage		max. 230 V AC
Switching current		max. 2 A
Holding time		Infinite
Housing		plastic housing with 11-pin plug
Dimensions		76x38x71 (hxwxd)

VEK M1E - DIP-switch modes

1	2	3	4	function
off	off	-	-	sensitivity channel - step 1
on	off	-	-	sensitivity channel - step 2
off	on	-	-	sensitivity channel - step 3
on	on	-	-	sensitivity channel - step 4
-	-	off	-	R2 falling edge pulse
-	-	on		R2 rising edge pulse
-	-	-	off	frequency high
-	-	-	on	frequency low

11-pin- plug connection

function	pin no. VEK M1E
Power (line)	1
Power (neutral)	2
Relay 2 pulse N.O.	3
No connection1	4
Relay 1 presence common	5
Relay 1 presence N.O.	6
loop	7
loop	8
Relay 2 pulse common	9
Relay 1 presence N.C.	10
Relay 2 pulse N.C.	11

Function of LED

LEDgreen	LEDred	function
off	off	power off
flash	off	detector calibrates
on	off	detector ready for operation, loop free
on	on	detector ready, loop occupied
on	flash	loop failure
pulse	on or off	loop failure