



MID1E - 800

Induction Loop Detector Single Channel Detector

Presence vehicle detection for parking control and gate/barrier applications with dual relay output

Special characteristics:

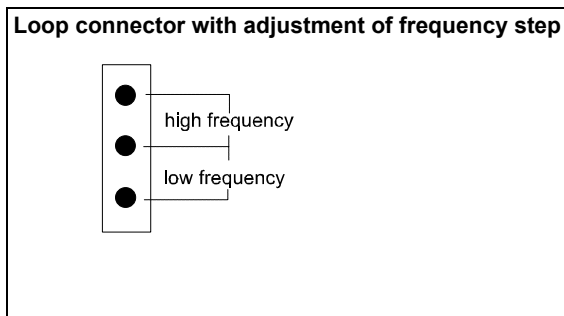
- | Plastic housing with compact size to be mounted directly on DIN - or C-rail
- | Direct cabling, no plug socket
- | Microprocessor controlled
- | Isolation transformer between loop and detector electronics
- | Automatic Calibration when switching on or when changing the adjustment of holding time
- | Adjustment of unlimited holding time possible
- | Indication with LED`s
- | All adjustments with DIP - switch on front panel
- | Adjustments of relay operation principle
- | Low voltage supply, AC or DC supply possible

Technical Data	
Power supply:	24 V AC/DC, +/- 10 %
Power consumption:	max. 1,5 W
Temperature range:	-20°C - +70°C
Max. humidity	max. 95%
Loop inductance range:	25 - 800 µH
Frequency range:	30 - 130 kHz
Sensitivity range (df / f):	0,01% - 0,65% in 4 steps
Loop lead-in:	max. 250 m
Output relays:	1 presence relay with contact n.c. 1 pulse relay with contact n.o. adjustment of rest or operation current principle for permanent relay with shift switch on front plate
Switch voltage:	24 V AC/DC
Housing	plastic-clamp enclosure for shelf or DIN-rail socket with 2x 3-pin. clamps
Dimensions:	79 x 22,5 x 90 mm (h x w x d)
Protection class:	IP 40 (waterproofed)

Terminal connection	
Terminal screws on top	
<u>signature</u>	<u>function</u>
0V	power supply (neutral)
24V	power supply (24V AC/DC)
28	contact n.o. 2 - pulse relay
Terminal screws on bottom	
<u>signature</u>	<u>function</u>
15	contact n.c. 1 - presence relay
16	common 1 - presence relay
25	common 2 - pulse relay

DIP-switch modes				
1	2	3	4	function
off	off	-	-	sensitivity - step 1 (low)
on	off	-	-	sensitivity - step 2 (med. low)
off	on	-	-	sensitivity - step 3 (med. high)
on	on	-	-	sensitivity - step 1 (high)
-	-	off	-	holding time 5 minutes
-	-	on	-	holding time unlimited
-	-	-	off	principle of rest current
-	-	-	on	principle of operation current

(off = left switch position)
(on = right switch position)



Function of LED's		
LED green	LED red	function
off	off	power off
flash	off	detector calibrates
on	off	detector ready for operation, loop free
on	on	detector ready f. operation, loop occupied
off	pulse	loop failure
pulse	-	loop frequency by pulse signal