

VEK M1H / VEK M2H Induction loop detector for vehicle detection



FEATURES

- Isolation transformer between loop and detector electronics
- Automatic calibration when switching on or changing the adjustment of holding time
- Plastic housing with compact size to be mounted directly on DIN-rail (wiring on the housing)
- Adjustment of unlimited holding time possible
- All adjustments with DIP-switch on front panel
- Mode „direction indication“ for VEK M2H
- Permanent or pulse output adjustable





TECHNICAL DATA

Dimensions (W x H x D)	22.5 x 79 x 90 mm without front connector
Protection class	IP 40
Housing	plastic clamp housing for DIN-rail with 2x 3-pin. clamps
Power supply	24 V AC/DC, +/-10%
Power consumption	max. 1.5 W
Inductance range	25-800 µH
Operating frequency	30-130 kHz
Sensitivity range	0.01 %-0.65 % in 4 steps
Loop lead-in	max. 250 m
Signal outputs	
VEK M1H	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
VEK M2H	1 presence relay with contact n.c. per channel pulse output when leaving of loop on channel 2, adjustable relay function principle: rest current / operating current resp. closing / opening via jumper or plumbline bridge adjustable
Switching voltage	24 V AC/DC
Temperature range	-20 °C up to 70 °C
Humidity	max. 95% (not condensing)

ORDER DESCRIPTIONS

VEK M1H-A	Induction loop detector (1-channel)
VEK M2H-A	Induction loop detector (2-channel)

DIP SWITCH MODES

The following functions can be adjusted:

Sensitivity channel 1	step 1-4
Sensitivity channel 2**	step 1-4
Frequency**	low / high
Holding time	5 minutes / infinite
Relay operation principle*	principle of rest / operation current
Status recognition**	presence / direction
Relay output*	presence signal / impulse signal

*only for VEM M1H

**only for VEK M2H

FUNKTION OF LED

LED green	LED red	Function
off	off	no power supply
flash	off	detector calibrates
on	off	detector operational, loop free
on	on	detector operational, loop occupied
off	on	loop failure
flash	on / off	loop frequency as flashing signal