

Summary	VEK M1H Electronic 1-channel induction loop detector for installation on DIN-rail.				
Products Affected	DG1100, DG1200, DG1215, Relay Logic				
Key Word Tags	Loop Detector, Retro, Wiring, Hardwire				
Tools/Equipment (If Required)	Wire Stripper, Wire Cutter, Terminal Screw Driver				
Parts/Materials (If Required)	R0012737				
Related Media					
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Please Read The Entire Bulletin Before Proceeding

Caution: Installation of the VEK M1H loop detector should be performed by a qualified electrician. The VEK M1H loop detector can be installed in any Rytec door. Please read the instructions carefully before installation. Rytec Corporation has used 120vac and 24vac controls in the doors. Please reference door schematic. If you are unable to locate the door schematic one can be obtained through Rytec Customer Support at 1-800-628-1909 Please provide the door serial number to the representative.

This retro-fit should be performed by a qualified electrical technician.



The disconnect must be in the OFF position and properly locked and tagged before performing the next step of the procedure.

DG 1000, 1100, 1215 digital gateway and relay controls.

Installation in a Digital Gateway (DG1000) , (DG1100) , (DG 1215) or relay controlled doors.

The Digital Gateway 1000, 1100 are 120 VAC door control units and have three sets of up and down arrows located directly below the red LED display.

The Digital Gateway 1215 is a 120 VAC door control unit. DG 1215 is printed in the lower right corner of the controller.

Relay logic WARNING: Relay logic boards have been made in 24Vac and 120Vac. If you are not certain of the control voltage contact Rytec Customer Support at 1-800-628-1909 with the door serial number.

The VEK M1H 1-channel loop detector requires either 24 V AC/DC.

The door may require a 120 VAC to 24 VAC transformer. Rytec Part number R0011097.

Electrical connections for the DG 1000, 1100, 1215 Gateway 120 VAC (reminder the control box may require the 120VAC to 24 VAC transformer) (See Figure 1).

Connect the 24 VAC supply to terminals 0V and 24V. On the VEK M1H loop detector.

Connect a wire from terminal #16 on the loop detector to terminal #10 common on the DG1000, 1100, 1215.

Connect a wire from terminal #15 on the loop detector to terminal #14 auto input on the DG1000, 1100, 1215.

Relay Logic Control Box

NOTE: Relay logic boxes are 24 VAC and 120VAC, you must confirm voltage before installation. If you have any questions regarding voltage please contact Customer Support at 1-800-628-1909.

Installation in a relay logic control box.(See Figure 1)

Connect the 24 VAC supply to terminals 0V and 24V On the VEK M1H loop detector. Terminals X2 and #1(the 24 VAC supply)

Connect a wire from terminal #16 on the loop detector to terminal #4 common in the relay logic control boxes.

Connect a wire from terminal #15 from the loop detector to terminal #12 auto input of the relay logic boxes.

DG 1200 digital gateway

Installation in a Digital Gateway 1200 (DG1200) controlled door.

The Digital Gateway 1200 is a 24 VAC door control unit. DG 1200 is printed in the lower right corner of the Digital Gateway.

The Feig 1-channel loop detector functions either 24 V AC/DC.

Electrical connections for the DG 1200 Gateway 24 VAC (see figure 1)

Connect the 24 VAC supply to terminals 0V and 24V On the VEK M1H loop detector. Terminals X2 and #1(the 24 VAC supply for the DG 1200)

Connect a wire from terminal #16 on the loop detector to terminal #1 common on the DG1200.

Connect a wire from terminal #15 from the loop detector to terminal #14 auto input on the DG1200.

Settings for the Loop Controller

Dip switch settings on the loop detector.

The first two switches located on the module are the sensitivity setting.

1. Both switches to the left are LOW
2. First switch to the left and second to the right MED/LOW
3. First switch to the right and second to the left MED/HIGH
4. Both switches to the right HIGH

3rd switch Relay hold time.

1. 3rd switch to the left equals NO relay hold time. (Typical setting)
2. 3rd switch to the right equals 5 minutes. (The relay remains active for five minutes. Not Adjustable)

4th switch Relay Function.

1. Switch to the left – relay is normally closed.
2. Switch to the right – relay is normally open. (Normally open is the required setting.)

Connecting the loop wires.

The wires from the floor loop are installed in the small blue plug located on the face of the detector. The plug can be installed on the module in either the low or high frequency setting. Testing will need to be done to determine proper setting.

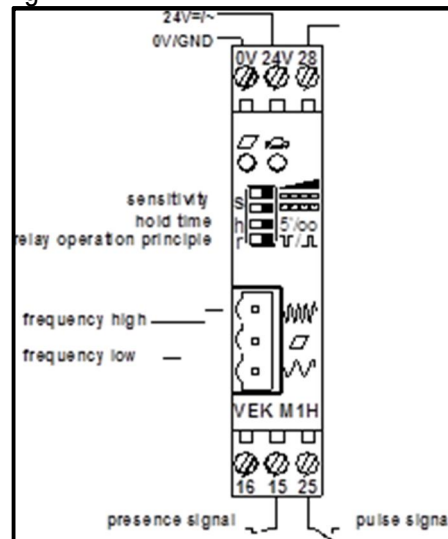


Figure 1