SILENT KNIGHT
by Honeywell

HFS-MR
IntelliKnight Relay
Control Module

The HFS-MR is an Intelligent relay module for use with Silent Knight Model 5600 IntelliKnight series fire alarm control panel (FACP). where the individual address of each module is selected using the built in rotary switches.

For more information about the Intelliknight Model 5600 systems, or to locate your nearest source, please call 800-328-0103.

Description

The HFS-MR allows the 5600 FACP to switch discrete contacts by code command. The relay contains two isolated sets of Form C contacts, which operate as a DPDT switch. The module also has a panel controlled LED indicator.

The HFS-MR contacts can be used for virtually any normally open or normally closed application. Each HFS-MR is programmed with a unique signaling line circuit (SLC) loop address. When an event occurs that controls the HFS-MR, the relay is triggered by the FACP.

This relay is intended for use with model 5600 Intelligent system.

HFS-MR

Features

- Two sets of Form C contacts

- Rotary address switches for fast installation

- Panel controlled status LED that flashes red in normal state and is solid red in alarm

- Relay programming is completely flexible–can be mapped to zone conditions

- Polling LED visible through the cover plate

- SEMS screws for easy wiring

- Attractive ivory cover plate

- ETL and UL Listed

Installation

The HFS-MR mounts directly into a 4" square electrical box. The box must have a minimum depth of 2-1/8". A surface mount electrical box (System Sensor® PN SMB500) is available. The module can also mount to the HFS-D duct housing.

Specifications

Physical
4½" H x 4" W x 1¼" D

Electrical
Operating Voltage: 15 – 32 VDC
Current Draw: 6.5 mA max (LED on)
Operating Current:
   230 µA (LED flashing) direct poll
   255 µA (LED flashing) group poll
EOL Resistance: not used

Environmental
Temperature Range: 32º – 120ºF (0ºC– 49ºC)
Humidity: 10% – 93% noncondensing

Relay Contact Ratings
2.0A @ 30 VDC resistive
0.3A @ 125 VDC inductive

Compatibility
The HFS-MR, Honeywell Fire Systems relay, is compatible with the model 5600 Intelligent fire control panel.

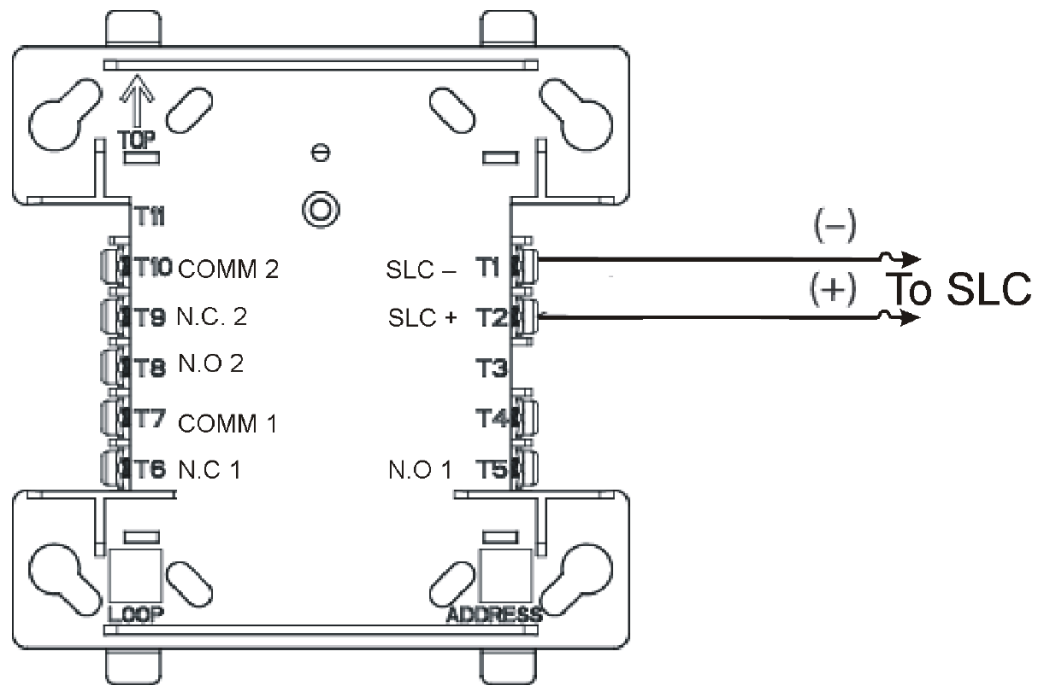You cannot use SD device type protocol on the 5600 SLC loop.

Model HFS-MR
Relay Control Module

Engineering Specifications

The relay module shall be a HFS-MR intelligent relay module. The relay module shall contain two sets of isolated Form C dry contacts rated at 2.0 A @ 30 VDC resistive and 0.3 A @ 125 VAC inductive.

The control panel shall switch these contacts on command. Terminal connections shall be of the strip and clamp method suitable for 12-18AWG wiring.

Relay Module wiring diagram

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