Honeywell MORLEY IAS FIRE SYSTEMS | Addressable Control Module

HM-DCMO-UL

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HM-DCMO-UL

General

The HM-DCMO-UL Addressable Control Module provides a circuit for Notification appliances like horns, strobes, and more. Addressability allows the HM-DCMO-UL to be activated through panel programming, on a select (zone or area of coverage) basis.

Applications

The HM-DCMO-UL is used to switch 24 VDC audible/visual power.

Construction

- The face plate is made of off-white, heat resistant plastic
- Controls include two rotary switches for direct-dial entry of address-setting
- The HM-DCMO-UL is configured for a single Class B Notification Appliance Circuit

Operation

Each HM-DCMO-UL uses one of the module addresses on a SLC loop. It responds to regular polls from the control panel and reports its type and status, including the open/normal/ short status of its Notification Appliance Circuit (NAC). The LED blinks with each poll received. On command, it activates its internal relay. The HM-DCMO-UL supervises Class B notification or control circuits.

Upon code command from the panel, the HM-DCMO-UL will disconnect the supervision and connect the external power supply in the proper polarity across the load device. The disconnection of the supervision provides a positive indication to the panel that the control relay turned ON. The external power supply is always relay-isolated from the communication loop, so that a trouble condition on the external power supply doesn't interfere with the rest of the system.

Rotary switches set a unique address for each module. The address may be set before or after mounting. The built-in TYPE CODE (not settable) of the control panel will identify the module, so as to differentiate between a module and a sensor address.

FEATURES & BENEFITS

- Built-in type identification automatically matches devices to the control panel
- Internal circuitry powered directly by a two-wire SLC loop The HM-DCMO-UL module requires power (for horns, strobes, etc.)
- Integral green LED blinks each time a communication is received from the control panel and turns on steady red when activated
- High noise immunity (EMF/RFI)
- The HM-DCMO-UL may be used to switch 24-volt NAC power
- Wide viewing angle of LED
- SEMS screws with clamping plates for easy wiring
- Direct-dial entry of address: 61 -99 for models SMX and STX

HM-DCMO-UL Technical Specifications

PARAMETER	SPECIFICATION
Normal operating voltage	15 to 32 VDC
Maximum SLC current draw	6.5 mA (LED on)
Average operating current	350 μA direct poll (CLIP mode) with LED flashing
External supply voltage	maximum 80 Volts (RMS or DC)
Drain on external supply	2 mA maximum (using internal EOL relay)
EOL resistance	47K ohms
Temperature range	32°F to 120°F (0°C to 49°C)
Humidity range	10% to 93% non-condensing
Dimensions	• 4.5" (11.43 cm) high x 4" (10.16 cm) wide x 1.25" (3.175 cm) deep • Mounts to a 4" (10.16 cm) square x 2.215" (5.398 cm) deep box

Agency Listings and Approvals

Listing and approval below apply to the modules specified in this. In some cases, certain modules may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- **ULC**: S35595

Product Line Information

HM-DCMO-UL	Intelligent addressable control module
SMB500	Optional surface-mount backbox
CB500	Optional control module barrier, required by UL for separating power-limited and non-power-limited wiring in the same junction box as HM-DCMO-UL

NOTE: For installation instructions, see document CN-MN-0194 and refer to the SLC Wiring Manual.

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