



UL, cUL Listed

Dimensions: 2 3/4" W x 4-1/2" H x 2" D (Approximate)
Mounts on single gang or handy box

Contact Rating: 1 AMP @ 40 VDC

Power Requirements: 24 VDC, 10mA

Environmental Specifications:

Indoor use only
Temperature range -22°F to 140°F
(-30°C to 60°C)

Stock number: 3001003

Description

The device consists of a key operated DPDT switch and 1 green and 1 yellow LED. It is mounted to a stainless steel faceplate designed to mount to a single gang electrical enclosure.

Application

The MRS complies with the requirements of NFPA Standards:

- 12 - Carbon Dioxide Extinguishing Systems
- 12A – Halon 1301
- 17 – Dry Chemical Extinguishing Systems
- 2001 - Clean Agent Fire Extinguishing Systems
- For easy changeover between primary and reserve agent supplies when uninterrupted protection is required

Installation

1. Connect the red and black wires of the MRS to the auxiliary 24 VDC power of the release panel.
2. Connect the gray wire of the MRS to the negative terminal of the release circuit.
3. Connect the yellow wire of the MRS to one side of the reserve solenoid.
4. Connect the other side of the reserve solenoid to the black wire of one EOL diode assembly.
5. Connect the red wire of the same EOL diode assembly to the positive terminal on the release circuit.
6. Connect the green wire of the MRS to one side of the main solenoid.
7. Connect the other side of the main solenoid to the black wire of a second EOL diode assembly.
8. Connect the red wire of the same EOL diode assembly to the positive terminal on the release circuit.

Operation

With the key in the Main position, the green LED will be lit and the release circuit will be connected to the main bank of the extinguishing agent. Turning the key to the Reserve position turns off the green

LED and lights the yellow LED while disconnecting the release circuit from the main bank of the extinguishing agent and connecting it to the reserve bank.

Engineering Specification

The Main/Reserve Switch shall be capable of switching the release output of a release panel to either a primary (main) or secondary (reserve) source of extinguishing agent. The unit shall consist of a DPDT key operated switch rated for 1 Amp at 40 VDC mounted to a stainless steel faceplate with a green and yellow LED. The green LED shall be labeled Main and shall only light when the key is in the main position. The yellow LED shall be labeled Reserve and shall only light when the switch is in the reserve position. The Key shall be removable in either position. The unit shall be designed to mount on a standard single gang enclosure. The Main / Reserve Switch shall be a Potter model MRS or equivalent.

