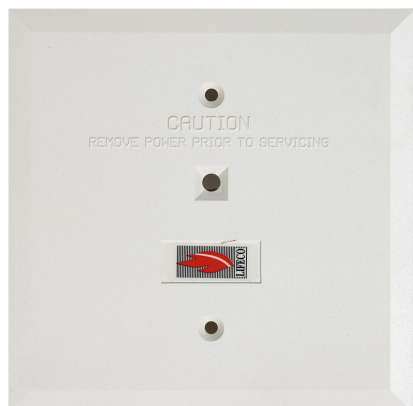


TECHNICAL DATA SHEET

for use by Architects & Engineers

Supervised Output Module

Model No: LE-DCP-SOM-R



Technical & Environmental Specification

Supply voltage	25.3 ~39 VDC
Auxiliary supply voltage	24 VDC
Average current consumption	154µA (typical)
Current consumption on auxiliary power lines	Maximum 6mA: Red Alarm LED On Typical 1.5mA
Maximum output current	2A @ 24VDC power limited
Solenoid current consumption	Max.: 443mA
Compatible solenoid	ASCO : 8210G207
Parker/Skinner	73218BN4UMLVNO111C2
EOL Device	10K ohms resistor & 1N5817 diode
Ambient temperature	4.2"W x 4.7"H x 1.4"D
Mounting	0°C (32°F) ~ 49°C (120°F)
Maximum output current	4" square electrical box
Relative humidity	90% RH Non condensing

Features

- UL 864 9th Edition Listed
- Flexible Pre-Action application
- Quick response to emergency conditions
- Operation parameters are maintained by the module, and individual communication with the control system during emergency conditions is not required
- Contacts are rated 2.0 Amps @ 24VDC
- Programming is highly flexible providing 16 priority states plus zoning capability

Program status:

- LED will flash red or green
- Programmed device output is turned off, silenced, or programmed to active continuously

Description

The Supervised Output Module (LE-DCP-SOM-R) is designed for Single-Interlock Pre-Action sprinkler systems. During an alarm condition, the LE-DCP-SOM-R output will operate which will trip a solenoid valve, allowing water to fill the sprinkler system piping. Water is not discharged until a sprinkler head operates due to heat from the fire. Pre-Action systems provide an added level of protection against inadvertent water discharge and are frequently employed in water sensitive locations such as archival vaults, fine art storage rooms, rare book libraries and computer centers.

The LE-DCP-SOM-R requires 24VDC power from a UL 1481 Listed, Regulated Power-Limited supply. The 24VDC power is supervised by the LE-DCP-SOM-R. An End-of-Line Device (EOLD) is included for supervision of the output wiring and solenoid coil. The LE-DCP-SOMR must be addressed from 1 – 127 prior to installation on the SLC loop.

The LE-DCP-SOM-R comes equipped with an LE-DCP-SOM-R-DS Disable Key Switch. This switch is used, along with a FRCME module, to disable the output of the LE-DCP-SOM-R for system testing or maintenance. To ensure proper operation of the LE-DCP-SOM-R, follow all installation, wiring, and programming instructions.

The contractor shall furnish and install where indicated on the plans, addressable Supervised Output Module (LE-DCP-SOM-R). The modules shall be UL listed and compatible with FireNET 2127/4127 and FireNET Plus Fire Alarm Control Panel. The device address shall be electrically programmable and stored in EEPROM. A bi-colored LED shall indicate device status. The LE-DCP-SOM-R shall be supplied with a plastic cover and shall be suitable for mounting to a 4" square or double gang electrical back box. The LE-DCP-SOM-R shall provide a monitor LED that is visible from outside the cover plate. LE-DCP-SOM-R is provided with a disable switch (LE-SOM-R-DS), which shall be suitable for mounting to a single gang electrical back box.

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Wiring Details

