HOCHIKI

DCP-SOM-R SUPERVISED OUTPUT MODULE

SPECIFICATIONS

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Supply Voltage (S-SC)	25.3 ~ 39 VDC
Auxiliary Supply Voltage	24 VDC
Average Current Consumption (On S-SC Line)	154µA (Typical) Maximum: 6mA (Red Alarm LED On)
Current Consumption on Auxiliary Power Lines	Typical 1.15mA
Maximum Output Current	2A @ 24 VDC Power Limited
Solenoid Current Consumption	Maximum: 443mA
Compatible Solenoids	ASCO: 8210G207 Parker/Skinner: 73218BN4UMLVNOC111C2
EOL Device	10K ohms Resistor & 1N5817 Diode
SOM-R Dimensions	4.2"W x 4.7"H x 1.4"D
Operating Temperature	32°F (0°C) ~ 120°F (49°C)
Mounting	4" square electrical box
Relative Humidity	90% RH Non-Condensing

STANDARD 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

PRODUCT LISTINGS

SIGNALING
UL LISTED
S5694

California State Fire Marshal
7300-0410:150

FM APPROVED
3042214

DESCRIPTION

The Supervised Output Module (DCP-SOM-R) is designed for Single-Interlock Pre-Action sprinkler systems. During an alarm condition, the 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 DCP-SOM-R requires 24VDC power from a UL 1481 Listed, Regulated Power-Limited supply. The 24VDC power is supervised by the DCP-SOM-R. An End-of-Line Device (EOLD) is included for supervision of the output wiring and solenoid coil. The DCP-SOM-R must be addressed from 1 – 127 prior to installation on the SLC loop.

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

Specifications subject to change without notice.

Find latest revision at **www.hochiki.com**

Assembled in the USA

ISO 9001:2015 CERTIFIED

F0111   11/2012

ENGINEERING SPECIFICATIONS

The contractor shall furnish and install where indicated on the plans, addressable Supervised Output Module (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 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 DCP-SOM-R shall provide a monitor LED that is visible from outside the cover plate. DCP-SOM-R is provided with a disable switch (SOM-R-DS), which shall be suitable for mounting to a single gang electrical back box.
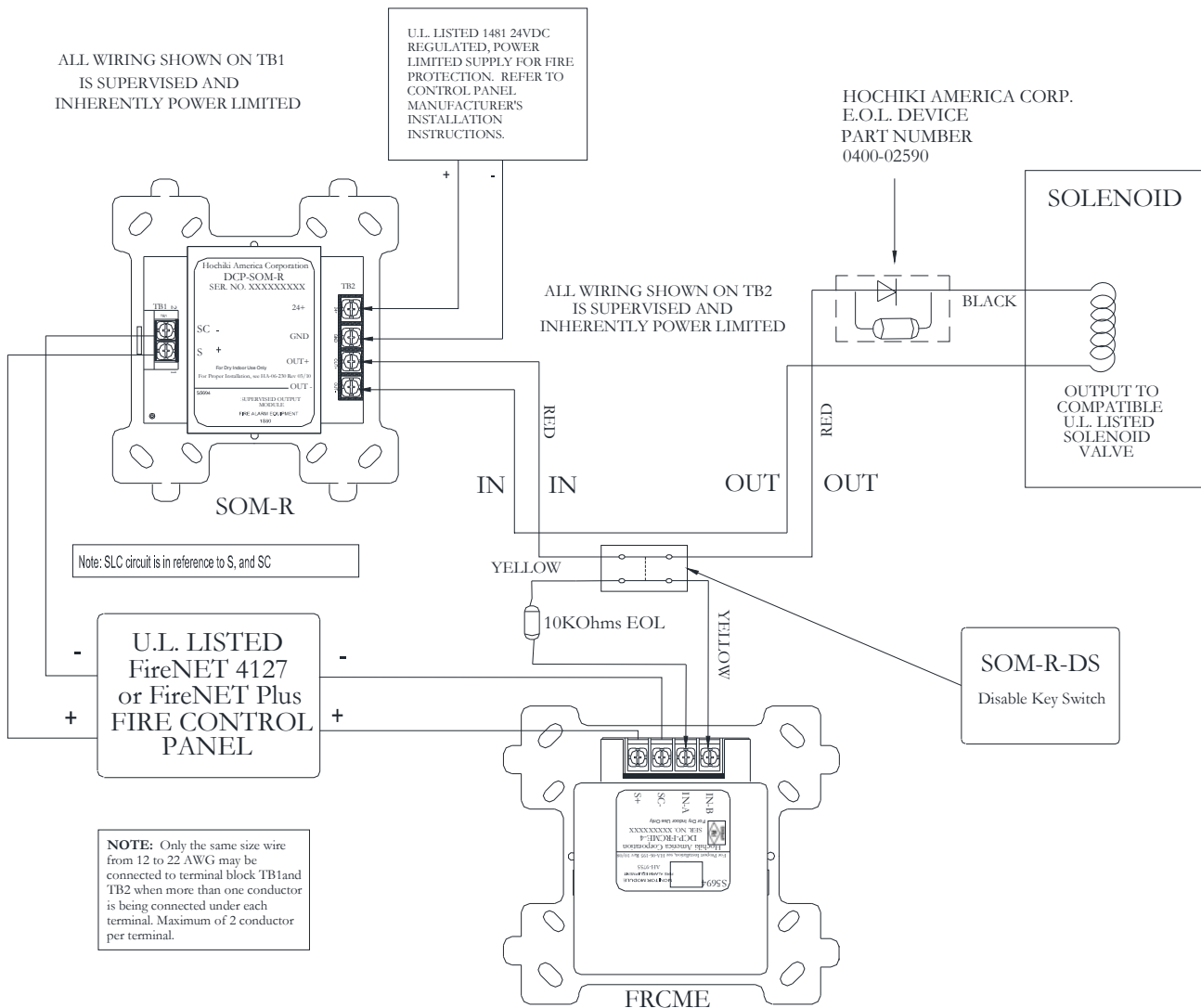
WIRING DIAGRAM

FIGURE 4
WIRING DIAGRAM