SRM-SOLENOID RELEASING MODULE

APPLICATION

This module will be connected to a SLC loop utilizing the Hochiki DCP (digital communications protocol). The DCP-SRM will provide a supervised 24 VDC output to a fire alarm releasing solenoid or squib agent release supervision circuit.

STANDARD FEATURES

- Solenoid output with supervision for open and short circuit conditions. Check on supervised status occurs upon receipt of an A-D command
- Output relay rate to supply 2A @ 30 VDC for the solenoid load
- Addressable FET switch used to control output for extra security in releasing functions
- Activation pulse time from 1-127seconds in 1 second intervals or 1-127 minutes in 1 minute intervals.
- Visible Bi-colored LED is software controlled and can be programmed to blink red or green when polled. The LED can be latched on when activated.
- Programmed with DCP expansion mode commands or with a handheld programmer

SPECIFICATIONS

Absolute Max Applied Voltage:	S, SC: 41VDC AUX+, AUX-: 26VDC
Supply Voltage Nominal:	S, SC : 33VDC AUX+, AUX-: 24VDC
Normal Current Consumption (S, SC):	220µA
Maximum Current Consumption (S, SC):	300µA
Normal AUX+, AUX- Consumption:	1.2mA (Max. 2Amp load)
Maximum Output Current to SOL+, SOL-:	2A @ 30VDC
End Of Line Device:	2.7K Ohm
Dimensions:	4.2"W x 4.7"H x 0.85"D
Ambient Temperature:	32°F (0°C) ~ 120°F (49°C)
Humidity:	90% RH, Non-Condensing
Mounting:	4" square electrical box

OPERATION

There are separate wiring terminals provided for both the Solenoid and Agent Release Module (ARM) devices. Although there are two sets of terminals, this module can only be used for one type at a time. The ARM end-of-line (EOL) resistor must be removed when used with a solenoid. A panel command allows the user to choose which type of device is being controlled and supervised. In the event of an alarm condition, the module will be activated to supply up to 2 amps of current to the solenoid or ARM devices. The solenoid activation time is programmable at the DCP control panel.

Solenoid activating pulse time can be programmed from 1 second to 127 second in 1 second intervals or from 1 minute to 127 minutes in 1 minute intervals. The output can also be latched on until commanded to be turned off by the control panel.

PRODUCT LISTINGS
Underwriters Laboratories: S5694 Underwriters Laboratories of Canada: CS943 CSFM #: 7300-0410:150 MEA Report # 284-91-E Vol. IV

Specifications subject to change without notice.

Hochiki America Corporation
7051 Village Drive, Suite 100 • Buena Park, CA 90621-2268
Phone: 714/522-2246 • Fax: 714/522-2268
Technical Support: 800/845-6692 or technicalsupport@hochiki.com

Made in the USA

ISO 9002 REGISTERED

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ENGINEERING SPECIFICATIONS

The contractor shall furnish and install where indicated on the plans, the Hochiki addressable Solenoid Releasing Module (SRM). The modules shall be UL listed compatible with the Hochiki HAX-2000 fire alarm control panel. The device address shall be electrically programmable and stored in EEPROM. A bi-colored LED shall indicate device status.
The SRM shall fit inside a single gang electrical back box. The SRM shall be supplied with a plastic cover and shall be suitable for mounting to a 4" square or double gang electrical back box. The SRM shall provide a monitor LED that is visible from outside the cover plate.

Back side of a SRM