



**fire protection**  
TECHNOLOGIES



GASEOUS  
SUPPRESSION



WATER  
SUPPRESSION



FOAM  
SUPPRESSION



EXPLOSION  
PROTECTION



FIRE  
DETECTION



MILITARY  
& DEFENCE



SPECIAL  
APPLICATIONS



SUPPORT  
SERVICES

Rugged.  
Versatile.  
Flexible.  
Dependable.  
Introducing  
America's  
Favorite 4x4...



From

**PROTECTOWIRE®**  
FireSystems

# The SRP4x4 from Protectowire FireSystems



## A Simple Multi-Purpose Fire Alarm System Designed for Com- mercial and Light In- dustrial Detection and Extinguishing Applications.

The SRP-4x4 Control Panel incorporates many “optional” features into its single multifunction control board for flexibility in adapting to individual job requirements. Field programmable inputs and outputs, detection circuits capable of Class A (Style D) or Class B (Style B) service, battery charger, and ground fault detection are just a few of the features. The versatile single board configuration eliminates custom assembly of multiple modules thus ensuring a streamlined system at minimum cost.

### Design Features

The SRP-4x4 is attractively styled and comes completely assembled in its surface mounted enclosure. The traditional red textured finish resists scratches and the durable, heavy-gauge steel cabinet has a piano hinged door allowing for greater rigidity to prevent sagging.

**Configuration:** The control panel provides four Class A or B (Style D or B) Initiating Circuits, one dedicated Class B (Style B) Supervisory Circuit, and four Class B (Style Y) Output Circuits. An optional Class A (Style Z) Output Module is available.

**Programming:** The four input circuits and four output circuits can be configured into 16 standard operating programs by utilizing a set of simple to operate dip switches. Input circuits may be field wired in Class A (Style D) or Class B (Style B) configurations and are suitable for a wide range of initiating functions including smoke, heat, and flame detection, manual alarm initiating, water flow and sprinkler system supervision. The four output circuits are configured and mapped to inputs during the programming process. Output 1 is reserved for use as a general alarm notification appliance circuit, while outputs 2, 3, and 4 can be configured in various combinations as solenoid release circuits, or notification appliance circuits suitable for fire alarm, water flow, or supervisory signaling. For ease of servicing, outputs 2, 3, and 4 have a disconnect switch to prevent accidental activation. When activated, the disconnect switch causes an off-normal trouble indication at the control panel.

**Remote Signaling Relays:** SPDT relays with contacts rated at 3 amp, 30 VDC, are included for system alarm, trouble and supervisory functions.

## Options

**Protectowire Alarm Point Location Meter:** The SRP-4x4 Control Panel is available with the PDM-1000-3 Alarm Point Location Meter. This unique feature is designed to locate a heat actuated point on the Protectowire Linear Heat Detector. The high intensity LCD meter will display the distance in feet or meters from the start of the Detector portion of the zone to the heat actuated point on the Protectowire Linear Heat Detector.

### **Class A (Style Z) Output Circuits:**

A Conversion Module, Model AM-91-2, is available to convert the standard Class B (Style Y) output circuits to Class A (Style Z) operation. Each AM-91-2 Module will convert two output circuits.

**Zone Alarm Relays:** A zone operated Alarm Relay Board, Model RB-4, is available that provides four relays, rated at 1 amp, 24 VDC. The RB-4 is designed for quick, easy field installation and provides zone activated contacts for auxiliary alarm control and annunciation functions.

## Specifications

### **Enclosure:**

- 16 gauge steel with piano hinge door.
- Size - 20.5" h x 14.5" w x 4.7" d (52 cm x 37 cm x 12 cm).

### **Initiating Device Circuits:**

- Four Class A or B (Style D or B) Alarm Circuits and one dedicated Class B (Style B) Supervisory Circuit.
- Maximum length of Protectowire Linear Heat Detector per circuit - 5,000 feet (1,524 m).
- Two wire smoke detector capacity per circuit - (20) 45  $\mu$ A type as supplied by Protectowire.

### **Output Circuits:**

*Alarm Indicating, Trouble Indicating, Supervisory, or Releasing.*

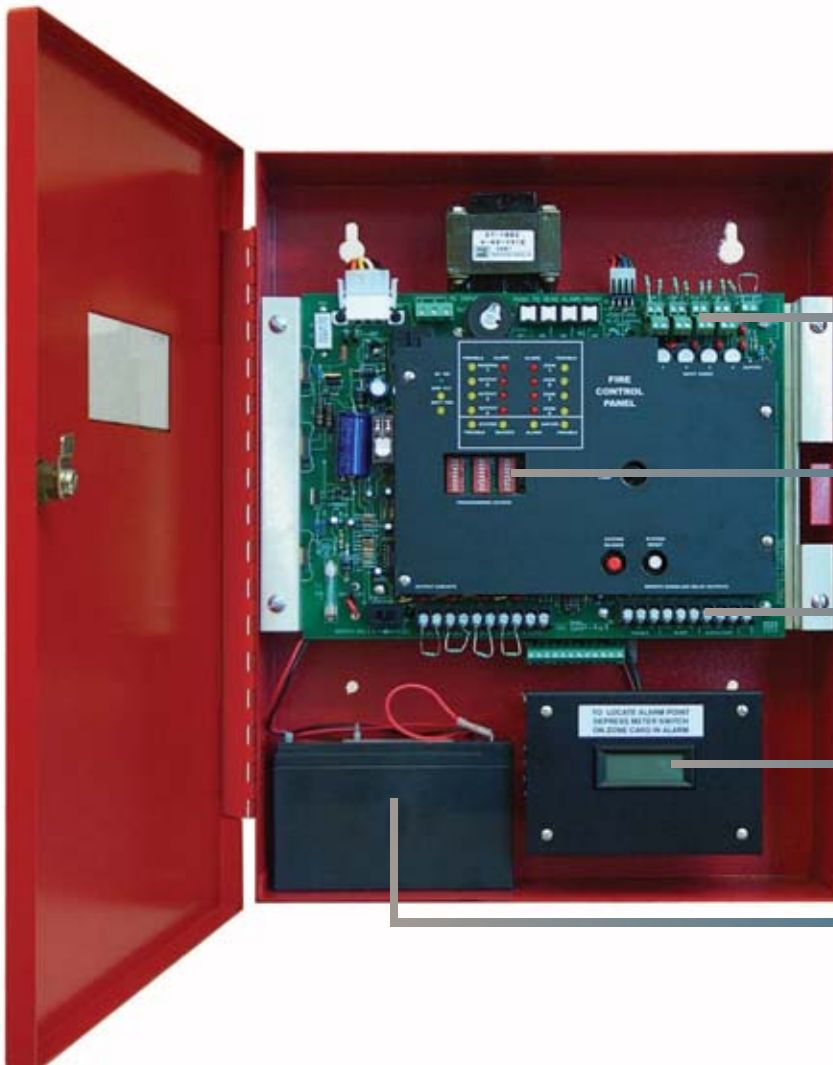
- Four Class B (Style Y) Output Circuits, reverse polarity on alarm.
- Optional Class A (Style Z) AM-91-2 Module available.
- Output 1, dedicated to Common (General) Alarm signaling, rated 24 V FWR, 1 amp continuous. Outputs 2, 3 and 4 programmable and rated at 1 amp each, 2.1 amp combined.
- Outputs 2, 3 and 4 are provided with a common disconnect switch.
- Compatible Solenoids: FM Solenoid Groups A, B, D, E, F, G & H.
- UL listed compatible solenoids, see manual.

### **Input Power:**

- 120 VAC +10 -15% - 100 VA max. (240 VAC available).

### **Approvals:**

- UL listed (9th Edition).
- Factory Mutual.
- California State Fire Marshal #7165-0854:0104.



**Field selectable Class A or B alarm initiating circuits**

**System configuration field programming switches**

**Built-in common alarm, common trouble and supervisory relay contacts**

**Digital Protectowire Meter designed to locate an alarm point on Protectowire Linear Heat Detector**

**Internal battery provides up to 90 hours of standby capacity**



# Protectowire Total System Capability

Now it is easier than ever to specify a complete Protectowire System with all of its unique features and reputation for reliability. The Protectowire Company offers an extensive line of fire and heat detection sensors and related products including:

- Optical Flame Detectors
- Smoke Detectors
- Manual Fire Alarm Pull Stations
- Heavy Duty Alarm Bells and Horns
- Electronic Visual Signals and Strobes

All Protectowire products have been specifically designed and tested for compatibility and reliable operation with Protectowire Control Panels.

For more information about the SRP-4x4, or any of our other products, contact us at the address or website shown below.



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AN ISO 9001 REGISTERED COMPANY



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