



GENERAL DESCRIPTION

Operation of the Hose Stream Fire Shutter series & SD Fire Protective Curtain series are carried out via a Control Panel (CP). In normal operating conditions, the CP will provide a 24v AC supply to the curtain's motors, and the curtains will remain in retracted condition.

If the smoke IR detector is triggered, the fire alarm system is annunciated which will send an addressable signal to the UL 864 listed control panel that opens the closed contact and releases the Fire Shutter/Curtain to the operational position of the floor.

As soon as the fire alarm system resets, the CP will reinstate the 24v supply to the curtain motors and the curtains will retract, current limiting circuits will detect the curtain has fully retracted and the supply voltage to the motor will step down to a hold voltage of 15% of the motor capacity.

- Each CP will be supplied with two 12v 7-amp to provide a 24v power supply
- Each CP can control four GR53 - 24v motors or eight GR42 - 24v motors via a motor controller
- CPs can be wired in series to control up to 16 motors
- Service interval per UL 864, system will annunciate after 600 days without service from an NFPA 80 provider

Surge protection by others directly prior to the low voltage electronics is recommended.



ADDITIONAL INFORMATION

Switchable	120V 60HZ AC
Power Supply	240V 60Hz Ac
Battery	Two 12v x 7-amp rechargeable
Panel Size	16" High x 15" Wide x 4" Deep
Test Facility	Alpha Numeric Display
Wiring Gauge Requirements	14-3 armored cable / hard conduit with internal 14-3
Indication	Green LED = CP Normal Yellow LED = Battery Fault Red LED = CP Active
Power Requirement	Each CP draws 7 amps CP in series must be on same circuit breaker (marked life safety)

INSTALLATION OPTION

The CP should never be installed higher than accessible with a 10th ladder for maintenance requirements per manufacturer written guidelines. If install remotely, low voltage wiring by others

