

**GENERAL DESCRIPTION**

Operation of a **single motor system** can be carried out via an Independent Motor Controller (IMC). In normal operating conditions, the IMC will provide a 24v AC supply to the motor, and the curtain will remain in retracted position.

If the smoke IR detector is triggered, the fire alarm system is annunciated which will send an addressable signal to the UL 864 listed IMC 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 IMC 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 IMC can control one GR42/GR53 - 24v motor
- 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 Power Supply	120V 60HZ AC 240V 60Hz Ac
Battery	Two 12v x 2.5 Ah rechargeable
Panel Size	10" High x 9.5" Wide x 4" Deep
Test Facility	Alpha Numeric Display
Wiring Gauge Requirements	14-3 armored cable / hard conduit with internal 14-3
Power Requirement	Each IMC draws 2.5 amps

INSTALLATION OPTION

The IMC 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

