



## SMOKE GUARD® system

### Models 2100/2500/3000/4000

## Controller



**Overview.** The Large Curtain Controller series provide curtain control, a supervised alarm connection and user interface. A cabled connection to the curtain housing transmits VDC motor power and signals for system control. In the event of AC power loss, backup batteries ensure the curtain remains retracted (minimum 2 hours) and allow for emergency deployment in the case of alarm. The alarm connection is supervised by the inclusion of an end-of-line diode at the normally open contacts of the alarm signaling device. The controller panel has a pushbutton test deploy switch and status indication lights including fault codes to facilitate troubleshooting. There are additional wiring provisions for optional Keyed Test Deploy switch and Door Activation switches.

Each curtain system requires at least one controller. Controllers are configured into Main and Satellite pairs to support larger curtain systems. M2500 systems over 20' wide require one Main and one Satellite controller. Large M3000 systems require one Main and one Satellite controller. M4000 systems require one Main controller with additional Satellite controllers mounted within the curtain housing. M2100 systems require only one controller. An optional M2100 dual controller will provide control of two independent curtains suitable for side-by-side curtain installations.



Controller

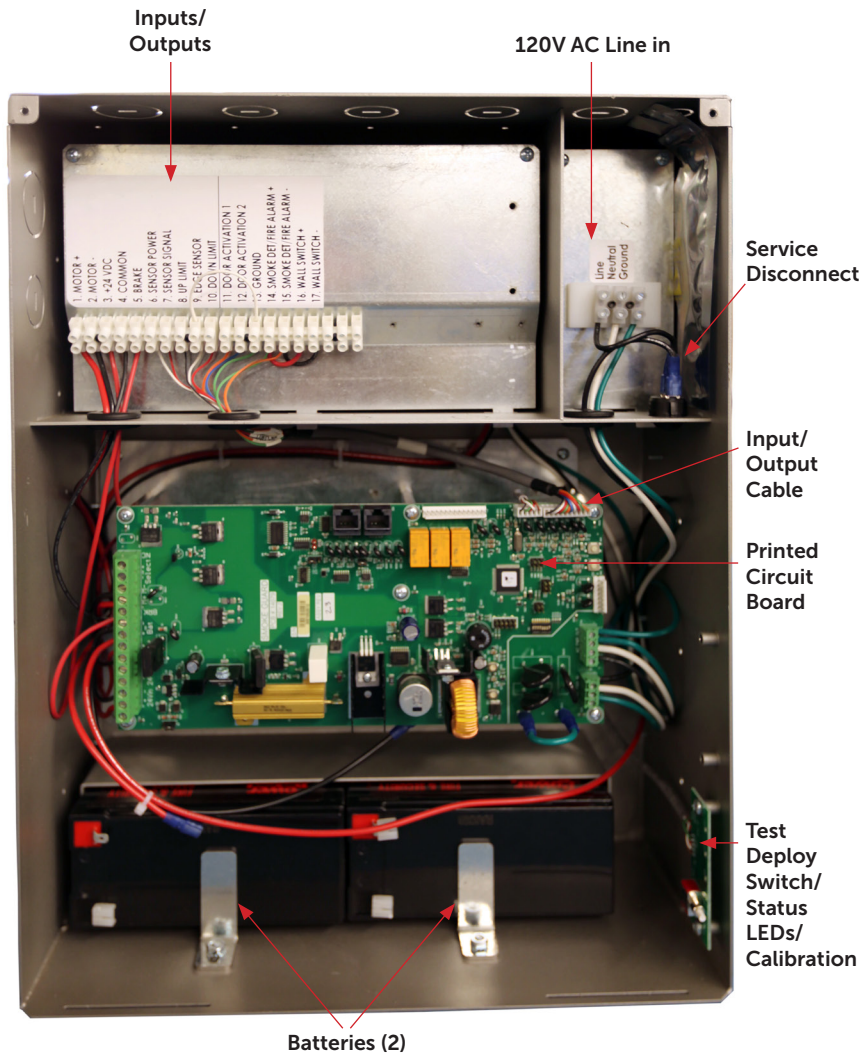
M4000  
Perimeter  
Curtain

*We believe life safety is a beautiful thing.*



# Models 2100/2500/3000/4000

## Controller



**Dimensions.** 18" H x 14" W x 6" D

**Weight.** Approximately 40 lbs. with batteries

**Power Requirements.** 120 VAC, 7A MAX

**Listing Standard.** UL 864

**Mounting.** Flanges attached on sides of housing allow for 16" on-center mounting. Flanges mounted on housing provide for 20" on-center mounting. Controller must be mounted within 30 conduit feet of curtain housing. (M2500 system over 40' wide require controllers within 15 conduit feet of each motor location. Consult SG for details.)

**Maintenance.** 12VDC Sealed Lead Acid battery replacement recommended every 2-3 years.

**System Options.** Keyed Test Deploy Switch. Door Activation Switch.

**Battery Hold Time Open.** 2-24 hours depending on system size.

**Deploy Delay Operation Option.** Upon alarm, curtain may be set to deploy to 7-foot level, pause 5 minutes then continue to full deployment (field settable). An alternate delay time may be specified at time of ordering only. Note: Deploy delay not available on M2100.

**FSCS Option.** Interface for Firefighter Smoke Control Station. Three dry-contact relays provide curtain with status and operation.

**Open, Closed and Fault Status.** Two high priority inputs to remotely OPEN and CLOSE curtain. Available for controllers 14354 and 17033 only.

MODEL	CONTROLLER	USE
M2100	13885-2	Single curtain. Dual controller version supports two independent curtains
M2500	14354-25	Single curtain.
M3000	17033-30	Single curtain. Dual motor systems require additional Satellite controller.
M4000	14354-45	Single curtain. Additional 14351 controllers within housing.

### Smoke Guard and Your Project

- Check for clearance/obstructions issues on, above, and surrounding the elevator opening (sprinklers, call buttons, HVAC, etc.)
- Field verify measurements prior to ordering systems
- Controller must be located < 30' from unit
- Fire alarm system has local auxiliary contacts available
- Controllers are accessible prior to installation.

