



**GENERAL DESCRIPTION:**

U.S. Smoke & Fire recognized that the use of fire-protective smoke curtains in the construction industry has increased and while the standard range of fire-protective smoke curtains met the performance requirements it was taking up space as well as effecting the overall aesthetics. This in turn led U.S. Smoke & Fire to develop and design a system which offers the following benefits / features:

- A unique system which eliminates the use of corner posts / columns therefore the creating more open space as well as saving space.
- More aesthetically pleasing, the fire protective smoke curtain can be designed to almost any shape at plan view with a number of install options using the extensive range of brackets and concealing options and therefore offering further design flexibility.
- Does not compromise on performance and is compliant to applicable regulations.
- A motor and roller system which offers controlled gravity descent.



**COMPLIANCE TO REGULATIONS:**

In line with U.S. Smoke & Fire’s considerable investment in global testing, the Accordion™ smoke curtain was put through its paces with various testing facilities. The result was a fully certified 180 minute integrity curtain retaining all the advantages of the BLE system; excellent build quality, excellent design, backward compatibility and many control and interface options. Classified to E180

**CONTROL OPTIONS:**

For full details, please refer to Control Panel (CP) Datasheet or contact a U.S. Smoke & Fire representative. Some of the options which are offered include (these may be limited dependent on fire strategy): Delayed Descent, Audio / Visual alert, BMS, Emergency Retract and more.

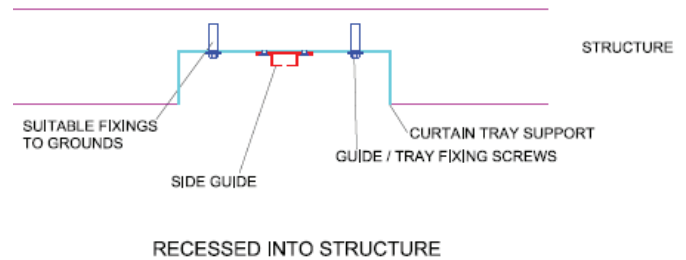
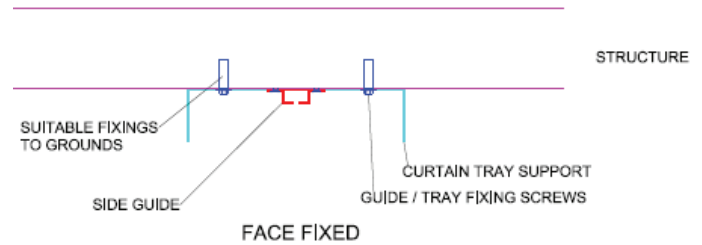
REGULATION	DESCRIPTION
UL10D:1997	Fire protective curtains classification
UL864	Standard for Control Units and Accessories for Fire Alarm Systems



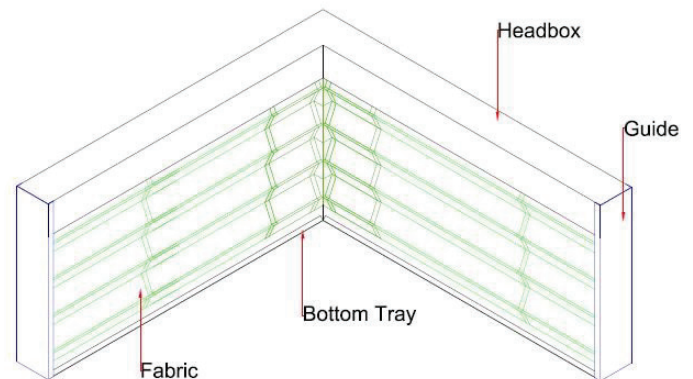
### TECHNICAL DATA

Integrity (E)	180 minutes at 1800°F
Curtain Fabric	3-hour wire inserted woven glass fibre fabric
Standard head box	0.05" thick Galvanized Steel
Standard head box size	6 ¾" (W) x 9" (H) for curtain drop <= 12'
Standard guide material	2mm thick Galvanized Steel
Standard guide Install options	A. Face fixed B. Recessed into structure
Standard bottom tray material	1.2mm thick Mild Steel
Motor	24V DC, 3100 rpm
Standard descend speed	Synchronized at 0.13 m/s
Standard operation	Gravity Fail Safe with controlled descent
Product Performance	To meet the requirements of UL10D
Guarantee / Warranty	12 months from project substantial completion
Compatible control panel	BLE Smoke and fire curtains Control Panel (CP)

### STANDARD WALL TRAY OPTIONS



### ISOMETRIC DRAWING OF A TYPICAL EXAMPLE



**U.S. SMOKE & FIRE®**

12310 Pinecrest Road, Suite 300, Reston, VA 20191 • Phone: 888.917.8777 • Fax: 888.917.8777  
 Washington, DC • Boston • New York • Miami • Dallas • San Francisco • Los Angeles  
[www.us smokeandfire.com](http://www.us smokeandfire.com) • [aeteam@us smokeandfire.com](mailto:aeteam@us smokeandfire.com)

