

FireMaster

SERVERY FIRE CURTAIN

CI/Sfb (68.5) Fire Shutters
CI/Sfb (57) Fire & Smoke containment

- Easy fit - just face fix to opening
- 'Plug and play'
- Light, slim design replaces heavy, ugly steel shutters
- Standard sizes
- Total Gravity Fail Safe to BS 7346 - 3



view from outside



view from inside

Coopers
Fire and Smoke Engineering

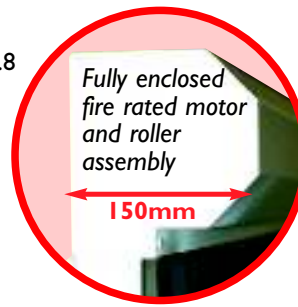
Coopers is an ISO 9001, LPCB and BSI assessed company

**2HR FIRE
RESISTANCE**

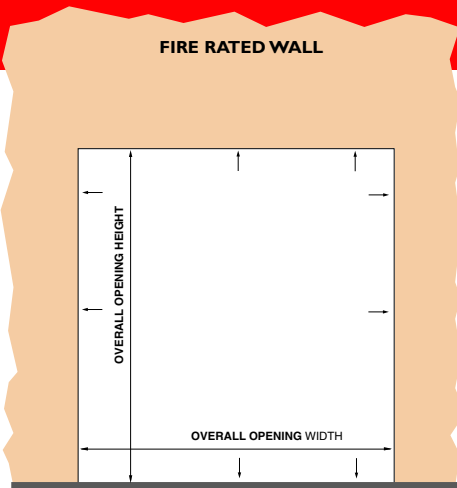
Specification

- Fire shutter tested for 2hr Fire Resistance to BS476 Part 22.8
- Smoke curtain tested to BS7346 Part 3
- Total power failure Gravity Fail Safe with controlled descent
- Optional smoke or heat detectors
- Simple 13amp plug and play wiring
- Mains power failure warning buzzer
- Stainless steel reinforced fabric with heat reflective coating
- All steel construction - complete with sill plate
- Hygienic, easy wipe surfaces and slim side channels
- Designed to stay in the open position until needed
- Can be used for routine closure of serving area if required
- Long operating life - servery unit tested for over 50,000 cycles (C3 Classification BS EN14600)

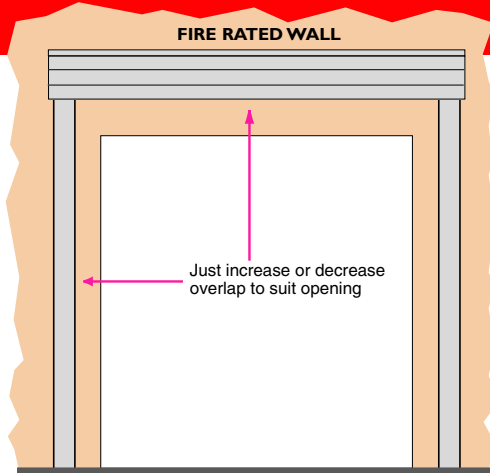
$$\text{Operating life} = \frac{50,000}{\text{No. operations per day} \times \text{No. days per year}}$$



MEASURING



REMEMBER - The FireMaster Servery is specifically designed to face-fix, overlapping the opening in a fire rated wall

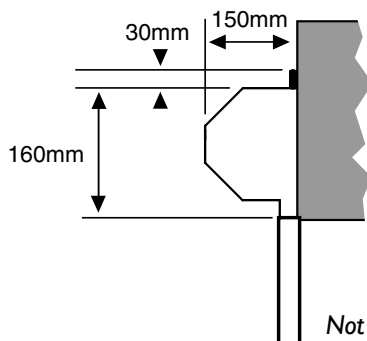


1. Check all walls and surfaces are suitably fire rated*.
2. Ensure there are no obstructions e.g. pipes, cables, tiles etc.
3. Measure the width of the opening at the top, centre and bottom. Use the maximum width as your 'overall opening width'. Select the next size up from the table opposite.
4. Measure the height of the opening at the left, centre and right. Use the maximum height as your 'overall opening height'. Select the next size up from the table opposite.

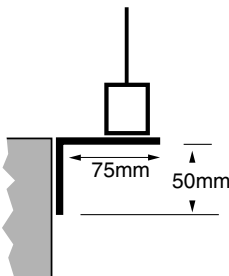
NOTE:

Normally the Servery would be fixed to a suitably fire-rated dry-lined wall structure, and all units are supplied with the appropriate fire-rated fixings. For fixing to alternative fire-rated structures such as brickwork, masonry or reinforced concrete, suitable alternative fire-rated fixings must be used. If in doubt please check with our Technical Department prior to purchase.

Head box detail



Sill plate detail

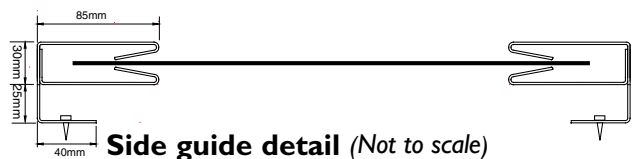


Not to scale

EXAMPLES:

- A. Width of opening - 1500, Height of opening - 1500, select Model SFC15/15
 B. Width of opening - 1700, Height of opening - 1300, select Model SFC20/15
 (Always select next largest size)

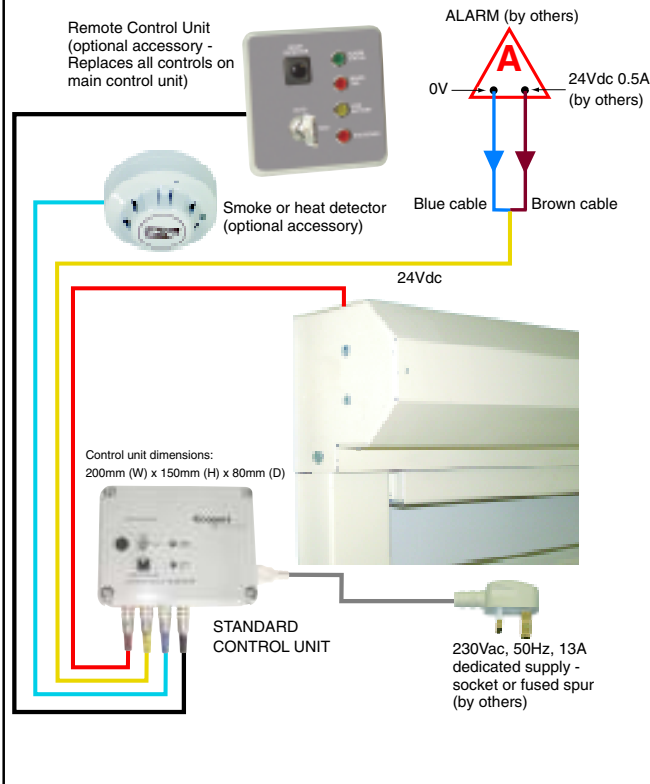
Overall opening width (O/A unit width)	1000 (1170)	1500 (1670)	2000 (2170)	2500 (2670)	3000 (3170)
Overall opening height Product Code (O/A unit height) Weight (approx)	1000 SFC10/10 (1190) 29.5kgs	1000 SFC/15/10 (1190) 35.9kgs	1000 SFC 20/10 (1190) 42.3kgs	1000 SFC25/10 (1190) 50.4kgs	1000 SFC30/10 (1190) 58.1kgs
Overall opening height Product Code (O/A unit height) Weight (approx)	1500 SFC10/15 (1690) 30.3kgs	1500 SFC/15/15 (1690) 36.7kgs	1500 SFC 20/15 (1690) 43.0kgs	1500 SFC25/15 (1690) 51.2kgs	1500 SFC30/15 (1690) 59.2kgs
Overall opening height Product Code (O/A unit height) Weight (approx)	2000 SFC10/20 (2190) 31.0kgs	2000 SFC/15/20 (2190) 37.4kgs	2000 SFC 20/20 (2190) 43.8kgs	2000 SFC25/20 (2190) 52.1kgs	2000 SFC30/20 (2190) 60.3kgs



SELECTING AND CONNECTING YOUR SERVERY

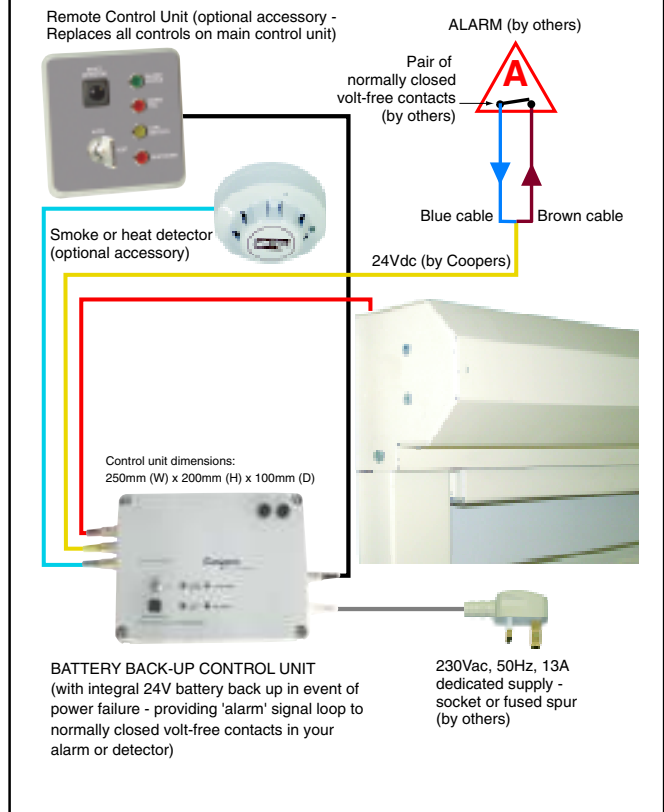
SERVERY STANDARD

The simplest and easiest system, enables your own existing alarm system to also act as battery back-up for your Servery. Your own alarm system will not only activate your Servery, but also will keep your curtain retracted, until there is an alarm or mains power failure when it will deploy safely. All you need is a 24Vdc 0.5A supply (Just ask your alarm contractor).



SERVERY PLUS

If your alarm cannot provide a 24Vdc 0.5A supply, **or** there is no alarm, **or** the Servery is to only operate from a local detector, select SERVERY PLUS. This model supplies a 24Vdc alarm loop to normally closed volt-free contacts in your alarm and/or local detector, which will operate your Servery. Servery Plus also has an integral 24V battery in the control unit which can provide battery back up in the event of a mains power failure - keeping the curtain retracted for up to 30 mins or until the alarm is activated.



FULLY 'PLUG AND PLAY' SYSTEM FOR EASE OF INSTALLATION

As per IEE Regulations (16th Edition 537-02-09/10, 537-03-05) Your servery is supplied with a standard 13A (fused) 3-pin plug for a suitable, unswitched 13A socket outlet. No electrician is required to make this connection

N.B. Any changes to the connection provided must be carried out by a qualified electrician

If you have any queries please contact our Technical Department on 023 9245 4405 Ext. 248

INCORPORATING A SMOKE OR HEAT DETECTOR:

NOTE: The FireMaster Servery can be operated by an alarm system and/or a smoke or heat detector*. If the Servery is not connected to an alarm system, SERVERY PLUS can be activated from a stand alone smoke or heat detector.

(* If a detector is disconnected when the system is live, the reset detector button **MUST** be reset.)

ACCESSORIES

MT/01 - Pre-wired mini remote test switch for recess fixing (inc. 5.0M of 8-core cable and connector)

SD/01 Smoke detector (inc. 5.0M cable and connector) Normally required when opening onto a means of escape (BI UK Building Regulations) e.g. reception area, pharmacy counter etc.

HD/01 Heat detector (inc. 5.0M cable and connector) Normally required when not opening onto a means of escape (BI UK Building Regulations) e.g. canteen, kitchen etc.

FS/01 Fire rated sealant (300ml)

Standard light switch size



FIXING

THESE PRODUCTS SHOULD ONLY BE INSTALLED BY COMPETENT TRADESMEN

It is recommend that you carry out a relevant risk assessment for the installation and handling of this unit, taking in to account weight, size, site conditions and access.

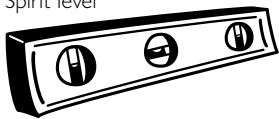
All handling and lifting of this product should be carried out in accordance with current Health and Safety Regulations* (refer to weights listed in the product selection chart).

Follow instructions and guidelines fully and carefully, ensuring correct fittings are used on suitable fixing surfaces. Coopers does not accept any responsibility if these products are not fitted according to instructions.

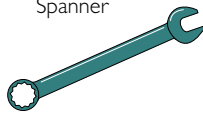
**It is recommended that a minimum of 2 persons are used for the installation of this product*

Tools required

Spirit level



Spanner



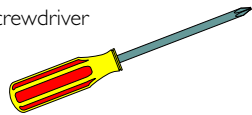
Drill



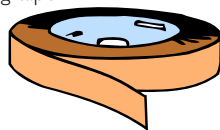
Tape measure



Screwdriver



Masking tape



Sealant gun



Safety equipment



IMPORTANT NOTE:

Ensure that all adjoining walls/surfaces/counter tops are suitably fire rated, level and true*.

Gaps MUST be filled with a fire rated sealant.
(Coopers FS/01 Sealant can be ordered with your servery)

DO NOT remove bottom bar, packaging or transit ties until instructed (see figs 8 & 12).

Do not disassemble any part of this unit, doing so will invalidate warranty.

If you have any queries please contact our Technical Department on 023 9245 4405 Ext. 248

1. Ensure that fittings, if different from those supplied, are suitably fire rated and are suitable for the loading. Coopers does not accept any responsibility if alternative fixings are used.
2. Ensure that there are no obstructions, (on the surface or concealed under wall surface) e.g. cables, pipes, tiles etc.



3. Measure the width of the opening at the top and mark the centre point.

Centralise and position the head box template over the opening at the approximate height using masking tape (Check correct height by holding a side guide rail in position).



4. Position side guide rail templates, (LH & RH) using masking tape, ensuring the bottom of the templates are level and tight to the counter surface.

5. Now adjust head box template, centralised over opening and position exactly level at the top of the side channel templates, butting points A to A and B to B, and adjust side channel template(s) accordingly.



6. Check all templates are correctly positioned, mark and drill holes. (N.B. Use ALL fixing holes for installing headbox and side channels - the backplate fixing flange on the head box can be re-drilled as required)

CAREFULLY REMOVE ALL TEMPLATES

7. Loosely fix side channels to allow for positioning into head box using M6 x 60mm coach screws supplied.

8. Ensure that that the stall brackets (positioned at top of side channels) are at the innermost position. Cut and remove transit ties to allow for curtain fabric to be fed into channels. Do not let curtain fully unroll.



9. **In accordance with current Health and Safety regulations for lifting,**

carefully lift and locate head box (whilst supporting the bottom bar) onto side guide rail supports.

Ensure bottom bar guide plates are located inside side channels correctly. Secure with the M10 x 60mm bolts supplied. Allow bottom bar to descend approx. 150mm below stall brackets.



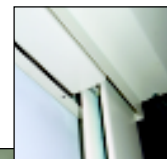
10. Slide stall brackets to outer position and tighten bolts BEFORE activating system.



11. Fix head box to wall. (DO NOT TRAP CABLE) **Check complete unit is installed level and true, then tighten all fixings.**



12. Carefully remove transit packaging from around the bottom bar, ensuring that the bottom bar guide plates are located inside side channels correctly. Check the opening is clear and there are no obstructions. At this stage the curtain should deploy under safe controlled gravity descent. (hold bottom bar firmly and guide first descent by hand).



12. Fit steel sill if required - fit tight to the underside of bottom on channels.

13. **Important: Check stall brackets are in outer position.**



14. Now connect controls (see overleaf)

INSTALLATION OF CONTROLS

- Position the control unit in a dry place on a firm surface
Do not connect the battery fuse (Servery Plus only) at this stage.
- Check that the key switch on the control panel is in the TEST position **before any connections are made.** Make all connections as per diagrams overleaf.
- Connect the RED motor plug to the socket marked with the RED dot.
- If incorporating a smoke or heat detector connect the BLUE plug to the socket marked with the BLUE dot.
- Connect the YELLOW alarm plug to the socket marked with the YELLOW dot.
- Push the mains lead connector into the control unit and plug into a dedicated 13A 230Vac supply. With the key switch in TEST mode, the curtain should remain down.
- Fit the battery fuse (Servery Plus only).
- Ensure that all cables are secure.
- 'Mains Fail' LED (RED) light should remain OFF.
- 'Alarm Status' LED (GREEN) should be flashing (whenever in TEST mode).



SERVERY PLUS ONLY

- Servery Plus only - 'Low Battery' LED (YELLOW) and 'Shutdown' LED (RED) should be OFF.
- If all the above conditions are met and the curtain is running free turn key to the AUTO position, the 'Alarm Status' LED (GREEN) will stay on and the Servery will retract to the UP position.
- Operate unit once with the TEST switch to prove functionality - DOWN and UP.
- 'Auto' - Press 'Reset Detector' to reset the Smoke or Heat detector.

TEST PROCEDURE

Test Procedure	Control Unit	Alarm Status Green LED	Mains Red LED	Servery Standard	Servery Plus	Low Battery Yellow LED	Shutdown Red LED
Normal	Key on 'AUTO'	ON	OK (LED off)	Retracted	Retracted	OK (LED off)	OK (LED off)
To simulate alarm test/failure	Key to 'TEST'	LED flashes	OK (LED off)	Deploys	Deploys	OK (LED off)	OK (LED off)
Reset (i.e. Normal)	Key to 'AUTO'	ON	OK (LED off)	Retracts	Retracted	OK (LED off)	OK (LED off)
Simulated mains power failure Disconnect mains plug or fuse [▲]	Key on 'AUTO'	ON	LED flashes (Buzzer sounds)	Retracted (Whilst Alarm OK)	Retracted (30 min delay)	OK (LED off)	OK (LED off)
If Alarm activated	Key on 'AUTO'	OFF	OFF	Deploys with controlled GFS	Deploys with controlled GFS	OFF	OFF
Reset (i.e. Normal power and alarm OK)	Key on 'AUTO'	ON	OK (LED off)	Retracted	Retracted	OK (LED off)	OK (LED off)
Poor battery condition	Key on 'AUTO'	ON	OK (LED off)	n/a	Retracted	Warning LED flashes	OK (LED off) †
Failed battery condition	Key on 'AUTO'	ON	OK (LED off)	n/a	Deploys with	OFF	LED flashes †

[▲]Fuse - only by qualified electrician

†Call Service

*Gravity Failsafe

ALARM CONDITION	SERVERY STANDARD	SERVERY PLUS		
Alarm (alarm system/detector/fuse)	Battery back up from alarm system	Battery back up integral in control panel	Control panel mains power	Servery Fire Curtain
Alarm OK	■	■	Mains on	Retracted
Alarm activated	■	■	Mains on	Deploys
Alarm restored	■	■	Mains on	Auto Retracts
Alarm On	■	■	No mains (Buzzer)	Retracted
Alarm activated	■	■	No mains (Buzzer)	After 30 mins, descends under Controlled GFS*
Alarm restored	■	■	No mains (Buzzer)	Descends immediately under Controlled GFS*
Alarm restored	■	■	No mains (Buzzer)	Stays down until Mains Power restored
Alarm restored	■	■	Mains restored	Auto Retracts
Total power failure or control or wiring corruption				Descends under Controlled GFS*

*Gravity Failsafe