



MODEL 5691 CEILING RADIATION/FIRE DAMPER

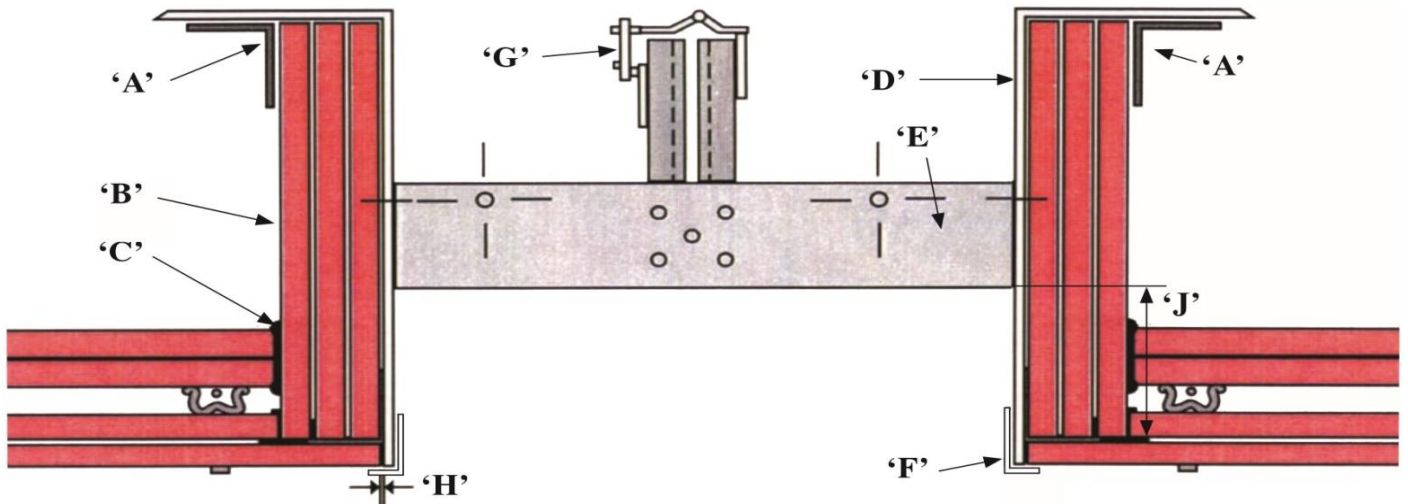
Ceiling Radiation/Fire Damper

Drawing 5691-1

INSTALLATION INSTRUCTIONS

FRL 120 / 120 / 120

- INITIAL DAMPER TEST** Before installing damper into plenum, check dampers closing operation. This can be achieved by sliding the closed damper towards the centre channel, then pivoting the blades upwards. Hold the two blades with one hand and supporting the frame on a solid surface, release the blades (USE CAUTION) to allow them to snap shut to the closed position.
- Manufacture the duct dropper/plenum in 0.7mm galvanised steel as per AS4254-1995. (Not necessary if damper assembly is purchased).
- Check there is a 3mm maximum clearance between damper frame and the ducts inside surface prior to securing damper. (Not necessary if damper assembly is purchased).
- Drill holes to suit pre-punched holes in the damper frame, then secure with 5mm diameter tubular STEEL rivets. Seal any gaps with an approved fire rated mastic. (Not necessary if damper assembly is purchased).
- Plenum or Duct droppers must be firmly secured to the slab, floor/ceiling or roof above, independently from the suspended ceiling itself.
- "F" - 0.7mm retaining angles are mandatory if grilles or diffusers are manufactured from aluminium or plastic.
- Once damper is installed REPEAT INITIAL DAMPER TEST as outline in point #1 to ensure proper closing operation. Refit UL33 fusible link setting damper in the open position.



LEGEND

- A RONDO part No. 553. Continuous angle 35mm x 35mm x 0.75mm.
- B BORAL 16mm "Firestop" plasterboard (3 x vertical Layers). (Part of damper assembly 5691A).
- C Fire rated mastic to be used in sealing all joining gaps.
- D 0.7mm Galvanised Steel Duct. (Part of damper assembly 5691A)
- E BULLOCK Model 5691 Ceiling Radiation/Fire Damper. (5691 assembly comes complete with plasterboard).
- F Duct retaining angle (Bottom turn out to be a minimum of 15mm).
- G UL33 Fusible Link.
- H Maximum gap between duct drop underside sheet is to be 5mm. Seal with fire rated mastic.
- J Maximum distance is 92mm.

PLASTERERS NOTE: Any screws that penetrate the duct or plenum must not impede the dampers closing ability. All joining gaps in areas 'C' and 'H' must be filled using an approved fire rated mastic as per AS1530.4-1997.

Refer to BORAL Plasterboards brochure for ceiling detail to suit this application.

Systems: FC2

BULLOCK model 5691 is manufactured in accordance with CSIRO Test No FS3033/1516, FS3099/1691.

Installation instructions are in accordance with CSIRO letter of Opinion No FCO-1601.

Refer to covering brochure for more detailed product information.

MAINTENANCE INSTRUCTIONS

Dampers should be maintained in accordance with AS1851. Part 6-1983.

Your local representatives details can be located at www.bullockmfg.com.au

