

# **NORDON PRV102 PRESSURE RELIEF PORT INSTALLATION INSTRUCTION**

The PRV102 Pressure Relief Port is designed for installation through panels of 65 to 150 mm thick. For thicker panels use a PRV102 Extension Sleeve. When installing in a panel less than 83 mm thick it is necessary to shorten the tube on the sliding flange. As a guide general-purpose rooms should have one Port per 40 M<sup>3</sup> or part thereof. Special purpose rooms may require additional Ports to be fitted.



- (1) Prepare the panel for installation by cutting a hole with a 102-mm (4") "Holesaw" first from one side until the pilot drill breaks through, then from the other, using the pilot drill hole as the centre. Clear the saw of insulation when necessary. This method will ensure that the inside and outside holes line up. On the panel where the Junction Box is to be located make a recess 25 mm long x 10 mm high between the 12 & 1 o'clock position to allow clearance for the heater cable protector.
- (2) From behind the flange of the large part of the Port thread one end of the heater wire 70 mm past the outer face of the junction box. This will provide tails of approx. equal length when the cable has been fitted. Starting from the end through the junction box, press the cable into the groove formed in the tube. The heating cable has approx. 100 mm of cold tail on each end to prevent overheating when the tails contact each other in the Junction Box.
- (3) Install the large part of the Port first. Apply a bead of silicone sealant around the inside corner where the flange abuts the tube, insert this piece through the panel taking care to see that the cable protector nests in the recess between the 12 & 1 o'clock position. If a 102-mm "Holesaw" was used to make the hole the Port may be hammered around the hole and flange junction with a soft mallet to force the retaining bead behind the panel cladding. (Screws or rivets are not used).
- (4) Slide the other portion of the Port over the tube of the first part. Use silicone sealant and secure as described in (3) Insert the filter - Rim first.
- (5) When connecting electricity it is necessary to cut the conduit opening in the top of the junction box. Before fitting the junction box cover, seal the two wire entry holes with silicone.

**CAUTION:** The heater wire should be wired so that it will not operate when the refrigerating system has been switched off. Failure to do this could result in damage to the insulation. "Holesaws" with bent pilot drills cause the hole to be cut oversize. To clean the Port wipe with White Spirit, Methylated Spirit or Damp Cloth.

ROOM SIZE METERS EXTERNAL	ROOM VOLUME CU/METERS INTERNAL	No. HEATED PORTS +1 °C. TO -25°C.
2 x 2 x 2.4	7	1
3 x 3 x 2.4	17	1
5 x 5 x 2.4	50	2
7 x 7 x 2.4	102	3
8 x 8 x 2.4	134	3
10 x 10 x 2.4	211	3
12 X 12 X 2.4	306	4