



HOFFMAN

IW4000 IR Window

Usage notes

For use on a flat surface of a type 4/12 enclosure

Failure to follow these instructions may lead to damage or injury. Comply with local and national safety requirements when working in hazardous locations.

Before you start

The installation may be carried out by using either a circular hole saw or a hydraulic hole punch.

Tools required:

1. Hydraulic punch or hole saw (95 mm - 95.5 mm (3-3/4 in.))
2. Drill
3. Conedrill
4. Pozidrive screwdriver
5. Center punch
6. 6 mm (1/4 in.) drill bit
7. 3.6 mm (9/64 in.) drill bit

Getting started

STEP
1

Unpack and check

When your Infrared Window arrives, carefully unpack the unit and check contents:

1. IW4000 unit (1)
2. Fixing screws (4)
3. Drilling template (1)



STEP 2

Fit the drilling demplate onto a flat surface

Once you have confirmed the position of the unit, select the drilling template. Peel off the back and stick to the panel using the template reference points.

STEP 2



STEP 3

Center punch

Using the center punch, punch the fixing holes as marked and center hole.

STEP 3



STEP 4

Center hole

Using the 6 mm (1/4 in.) twist drill, drill out the center hole (B).

STEP 4



**STEP
5****Drill fixing holes**

Using the 3.6 mm (9/64 in.) twist drill, drill out the fixing holes.
If using a hole saw, proceed to step 6(A).
If using the hole-punch, proceed to step 6(B).

STEP 5**STEP
6a****Enlarging the center hole (hole saw)**

Using the 6 mm (1/4 in.) hole as a guide hole, enlarge the center hole using the selected hole saw.
De-burr all of the holes and treat as required.
Proceed to step 7.

STEP 6a**STEP
6b****Enlarging the center hole (hole punch)**

Refer to the hydraulic punch manual and follow all safety procedures.
Proceed to step 7.

STEP 6b

STEP 7 De-burr the holes; remove any shavings and the self-adhesive template

Degrease the front panel.

STEP 7



STEP 8 Fix infrared window

Align the fixing holes and firmly press the Infrared Window into place.

With the correct sized screwdriver and three of the four countersunk screws supplied, fix the window to the panel.

Gradually advance each fixing until to torque setting between 0.5 – 1 lbf.ft (0.68 – 1.36 N.m) is achieved and units are secure.

STEP 8



Usage notes

To maintain enclosure type rating, viewport cover must be secured in place.

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