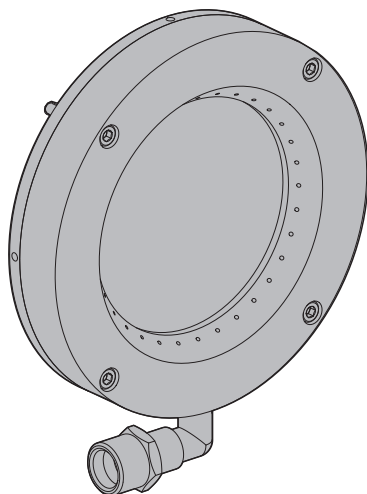




ONXMAIR Installation Manual

1 About this manual



Before starting any operation, make sure the power supply is disconnected.



Before carrying out any type of intervention, read the "Safety rules" chapter carefully in the product manual.



The updated product manual is available on our website www.pelco.com

2 Notes on copyright and information on trademarks

The mentioned names of products or companies are trademarks or registered trademarks.

3 Safety rules



CAUTION! Device installation and maintaining must be performed by specialist technical staff only.



Before starting any operation, make sure the power supply is disconnected.



Pay attention to correct orientation of the IR filter glass. This glass is equipped with a reference that identifies the side which must be turned outwards of the housing i.e. towards the direction of IR radiation origin. Before carrying out any closure of the flange, remove the reference on both glass.



The percentage of filtered IR radiation for this glass is approx. 80%



Avoid ethanol, solvents, hydrogenated hydrocarbons, strong acids and alkalis. Use of these products would irreparably damage the treated surface.

4 Product description and type designation

Front flange with air barrier and tempered glass or with anti-infrared glass, for housings in stainless steel.

5 Preparing the product for use



Any change that is not expressly approved by the manufacturer will invalidate the guarantee.

5.1 Unpacking

When the product is delivered, make sure that the package is intact and that there are no signs that it has been dropped or scratched.

If there are obvious signs of damage, contact the supplier immediately.

When returning a faulty product we recommend using the original packaging for shipping.

Keep the packaging in case you need to send the product for repairs.

5.2 Contents

Check the contents to make sure they correspond with the list of materials as below:

- Air barrier
- Fixing flange
- Bolts and screws
- Glass for housing
- Instruction manual

5.3 Safely disposing of packaging material

The packaging material can all be recycled. The installer technician will be responsible for separating the material for disposal, and in any case for compliance with the legislation in force where the device is to be used.

6 Installation

Remove the sunshield, if present (refer to the housing manual).

Remove the front flange having removed the screws on the front of the housing, using the hexagonal key supplied with the housing.

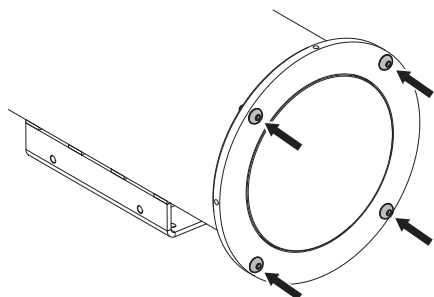


Fig. 1

Insert the tempered glass or glass with IR filter (04) in the compartment of the air barrier (01) having positioned the gaskets (02, 03) correctly, then insert the gasket (05) on the compartment of the counter-flange (06) and join the other pieces already assembled, in the end add the gasket (07).

Pay attention, position the gaskets correctly. There are 4 gaskets on the front of the housing.

Close the front of the housing using the screws and pay attention not to damage the gaskets.

Pay attention to the fixing. Tightening torque: 3Nm.

Assemble the nuts with the relevant washers (08).

Pay attention to the fixing. Tightening torque: 5Nm.

Assemble the fitting supplied on the flange of the air barrier (09).

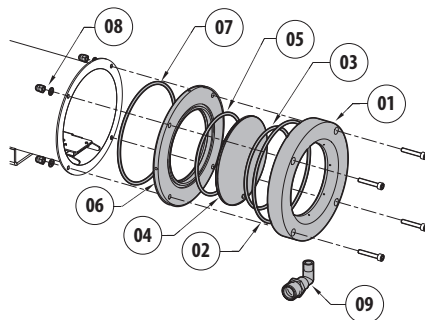


Fig. 2 ONXMAIRB

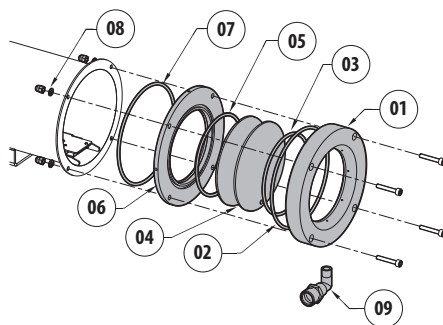


Fig. 3 ONXMAIRBIR

Couple the compressed air tube in the specific 1/4" GAS fitting.

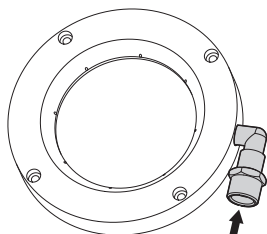


Fig. 4

If planned, reassemble the sunshield (refer to the housing manual).

To clean the glass, you are advised to use neutral soap diluted with water or specific products for cleaning glass lenses using a soft cloth.

7 Technical data

7.1 ONXMAIRB

7.1.1 Mechanical

Dimensions (ØxL): 154x27mm

Male input 1/2" GAS

Flange with 32 holes

System pressure: 6bar max

Recommended minimum pressure: 2bar

Example of application:

- Input air pressure 1bar, output air pressure 0.2bar, air flow rate 28m³/h
- Input air pressure 2bar, output air pressure 1bar, air flow rate 40m³/h
- Input air pressure 3bar, output air pressure 1.2bar, air flow rate 48m³/h
- Input air pressure 4bar, output air pressure 1.2bar, air flow rate 56m³/h
- Input air pressure 5bar, output air pressure 1.2bar, air flow rate 70m³/h
- Input air pressure 6bar, output air pressure 1.2bar, air flow rate 80m³/h

Tempered extra clear glass

- Thick: 6mm (0.24in)
- Operating temperature: 260°C (500°F) max, thermal gradient 108°C (226.4°F) max

Unit weight: 2.1kg (4.6lb)

7.2 ONXMAIRBIR

7.2.1 Mechanical

Dimensions (ØxL): 154x27mm

Male input 1/2" GAS

Flange with 8 holes

System pressure: 4bar max

Recommended minimum pressure: 2bar

Example of application:

- Input air pressure 1bar, output air pressure 0.2bar, air flow rate 7m³/h
- Input air pressure 2bar, output air pressure 1bar, air flow rate 10m³/h
- Input air pressure 3bar, output air pressure 1.25bar, air flow rate 12m³/h
- Input air pressure 4bar, output air pressure 1.25bar, air flow rate 14m³/h

IR-proof glass

- Thick: 6.6mm (0.3in)
- Operating temperature: 260°C (500°F) max, thermal gradient 108°C (226.4°F) max
- Transmitted IR radiation: 21%

Unit weight: 2.1kg (4.6lb)

8 Technical drawings



The indicated measurements are expressed in millimetres.

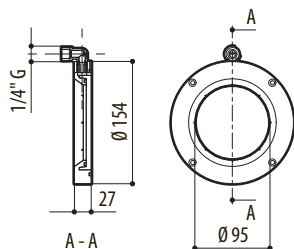


Fig. 5 ONXMAIRB.

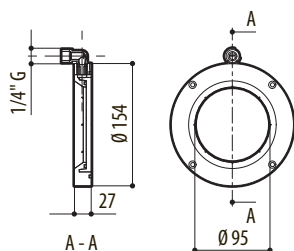


Fig. 6 ONXMAIRBIR.

Pelco, Inc.
625 W. Alluvial Ave., Fresno, California 93711 United States
(800) 289-9100 Tel
(800) 289-9150 Fax
+1 (559) 292-1981 International Tel
+1 (559) 348-1120 International Fax
www.pelco.com

Pelco, the Pelco logo, and other trademarks associated with Pelco products referred to in this publication are trademarks of Pelco, Inc. or its affiliates. ONVIF and the ONVIF logo are trademarks of ONVIF Inc. All other product names and services are the property of their respective companies. Product specifications and availability are subject to change without notice.

© Copyright 2023, Pelco, Inc. All rights reserved.