



UG-7/STD-H

SMOKE DETECTOR HOUSING HIGH LID

MANUAL 220829



MADE IN PORTUGAL - EU

GLOBAL FIRE EQUIPMENT S.A.

Sítio dos Barrabés, Armazém Nave Y, Caixa Postal 908-Z, 8150-016 São Brás de Alportel - PORTUGAL | Tel: +351 289 896 560
Email: info@globalfire-equipment.com | Technical Support: techs@globalfire-equipment.com | www.globalfire-equipment.com

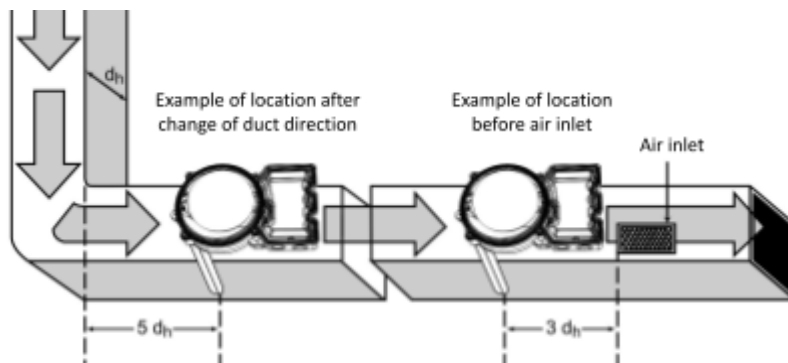
TECHNICAL SPECIFICATIONS

MATERIAL / COLOUR	ABS Plastic/Aluminium / Grey
WEIGHT: HOUSING	880 g
PROTECTION / AIR SAMPLING TUBE	IP54 / Aluminium
DIMENSIONS: HOUSING	279mm x 165mm x (103mm + venturi pipe length)
DIMENSIONS: VENTURI PIPE	0,6m, 1,5m or 2,8m - 1.6m extension tube available

ORDER CODE

UG-7/STD-H	SMOKE DETECTOR HOUSING HIGH LID
------------	---------------------------------

MOUNTING AND POSITIONING

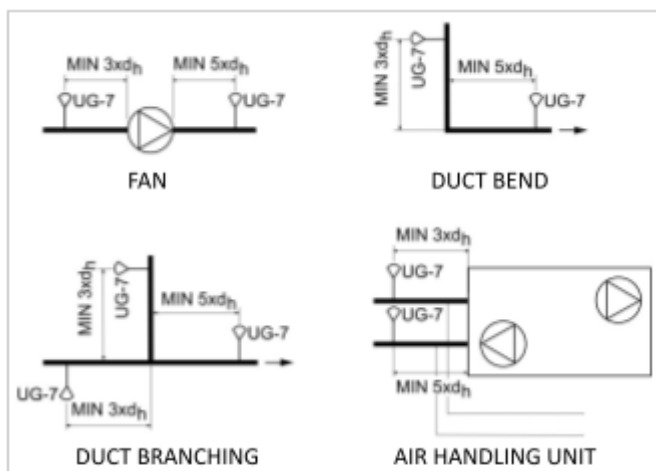


Where large temperature variations occur, e.g. on outdoor locations or in areas subject to external temperatures (roof, attics), the Uniguard should be insulated.

The Uniguard should be installed according to the drawing below. The Uniguard can be installed on any side of the duct. N.B. Rectangular ducts: In order to gain maximum air sampling coverage, install the Uniguard on the shortest side of a rectangular duct. We recommend that the Uniguard is mounted at an equal distance from heating, cooling, or humidity devices, and similar to the siting for flow monitors.

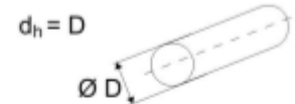
A distance of 3 times the duct diameter should be left before a damper, filter or change of the duct direction, and 5 times the diameter after these devices.

Example of installation at sources of interference

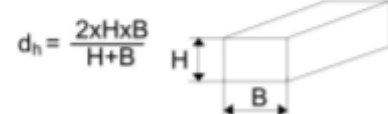


- fan
- damper
- silencer
- battery
- air handling unit
- duct bend
- duct branching
- duct narrowing or expansion

Hydraulic diameter



CIRCULAR DUCT



RECTANGULAR DUCT

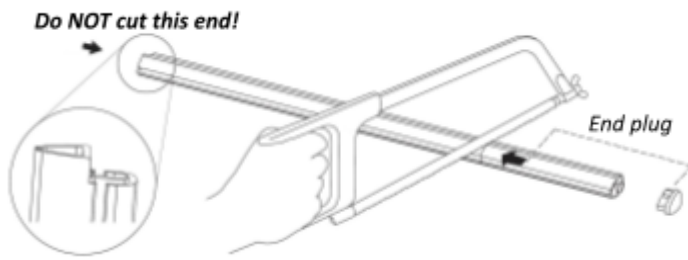
INSTALLATION

1

Drill a hole in the duct:

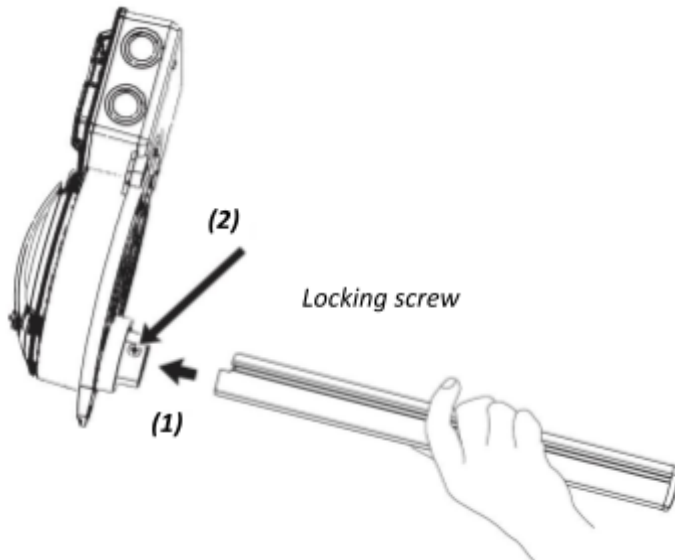
- Without mounting bracket, $\varnothing$ 38mm.
- With mounting bracket, $\varnothing$ 51mm.

2



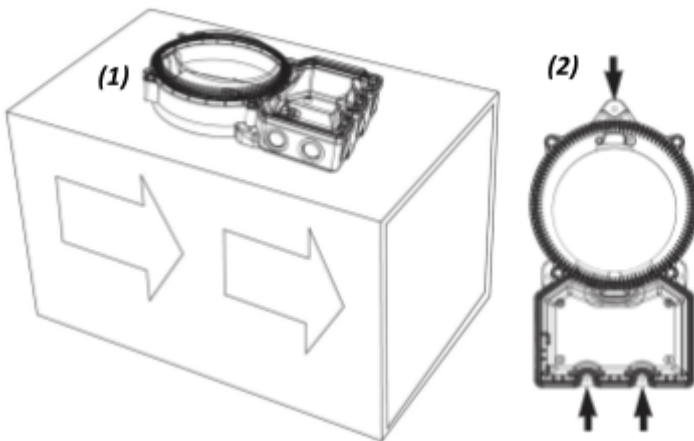
1. Measure the diameter of the duct.
2. Shorten the pipe, if necessary. The pipe should penetrate approx. 90% of the width of the duct.
3. Insert the end plug.

3



1. Insert the pipe into the bottom of the Uniguard.
2. Secure the pipe with the locking screw.

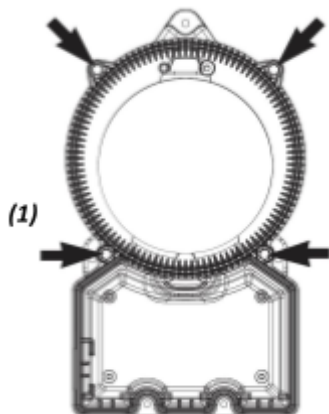
4



INSTALLATION ON THE DUCT

1. Mount the pipe and the detector on the duct.
2. Secure the bottom of the Uniguard with the three screws, positions marked.

5



ELECTRICAL INSTALLATION

1. Remove the cover over the connection housing (four screws).
2. Use a cable gland (PG13,5 or M20). The UG-7 is factory prepared with one cable opening. In case more than one opening is needed, carefully remove the round plastic wall in the selected entry and insert a cable gland. If the factory prepared opening is not used, it must be properly sealed.
3. Connect the cables according to the wiring diagram. *See the data sheet enclosed with the product.*

TEST OF DETECTOR

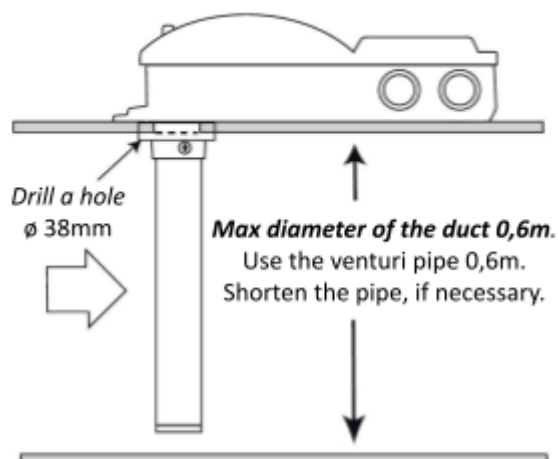
Check the detector with smoke detector tester RDP-300.

- Move the "test hole plug" to the side and briefly release a spray of aerosol. When alarming the LED lits red on the detector and when service alarming (contamination) it lits green.

- **IMPORTANT!** Reassemble the "test hole plug"

NOTE: Do not drill any holes in the cover for signs etc. Holes will cause air leakages and seriously disturb the function of the detector.

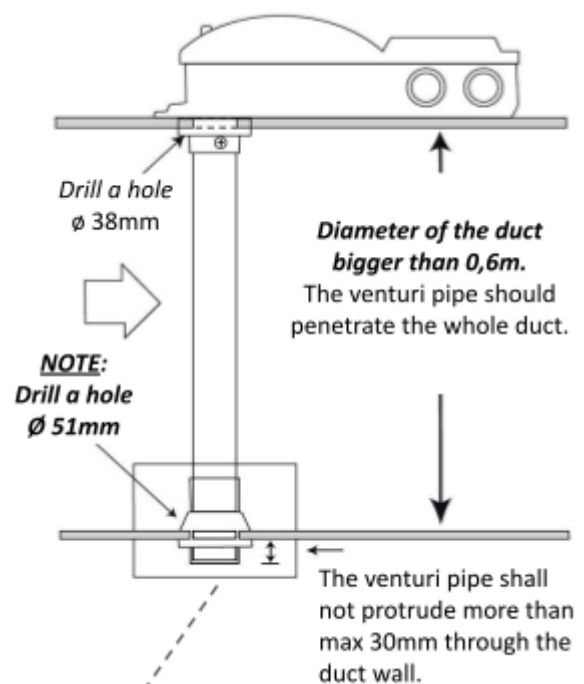
FITTING OF PIPES IN DUCTS WITH DIFFERENT DIAMETERS



For ducts with a ϕ of less than 0,6m use the 0,6m pipe, standard.

For ducts with a ϕ of between 0,6m and 1,4m use the 1,5m pipe.

For ducts which are larger than 1,4m use the 2,8m pipe.



- Shorten the pipe to correct length.



- Insert the end plug.



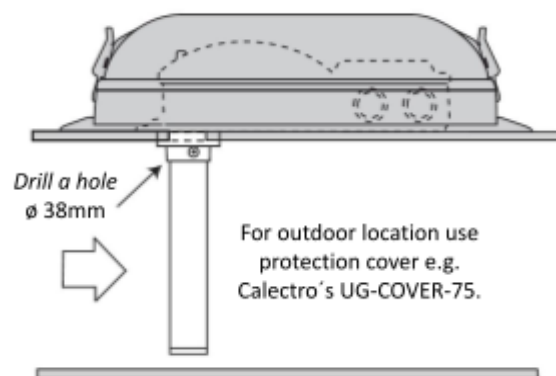
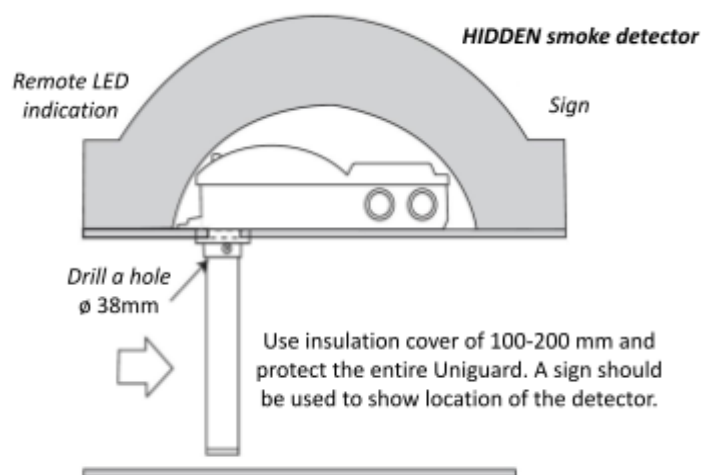
- Put on the plastic end gasket.



- Put on the rubber gasket, HFU204.

MOUNTING IN PLACES WHERE POSSIBLE CONDENSATION PROBLEMS COULD ARISE, E.G. COLD ATTICS OR OUTDOOR

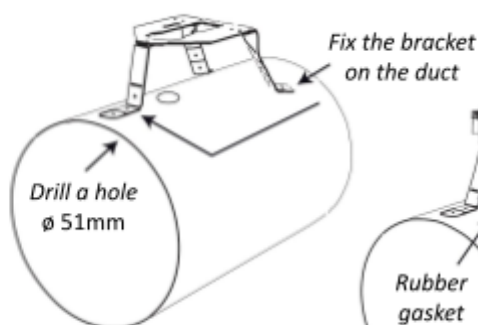
8



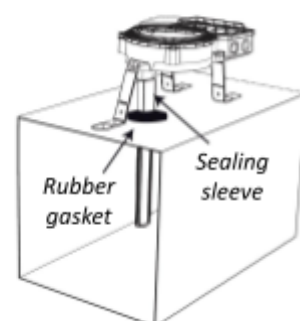
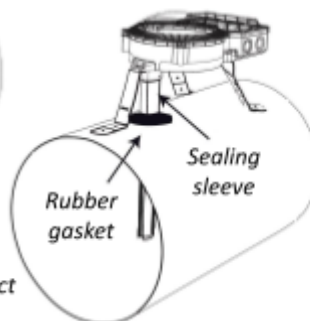
MOUNTING BRACKET FOR CIRCULAR OR INSULATED RECTANGULAR DUCTS

Using the mounting bracket the diameter of the duct can be as small as 100mm.
The mounting bracket is supplied with a rubber gasket and sealing sleeve.

9



Circular duct



FINAL CHECKS

- Check that the UG-7 is correctly installed according to the air flow in the duct.
- Check that the plastic plug of the test hole is properly installed.
- It is recommended that smoke from a smoke generator is introduced into the duct to check the detector's function.



According to WEEE (Waste of Electrical and Electronic Equipment) directive, you must at the end of life of the product dispose of it separately at an appropriate collection point and not place it with unsorted waste.