

OPTICAL DETECTOR FOR AIR DUCTS

AE/SA-OPIC

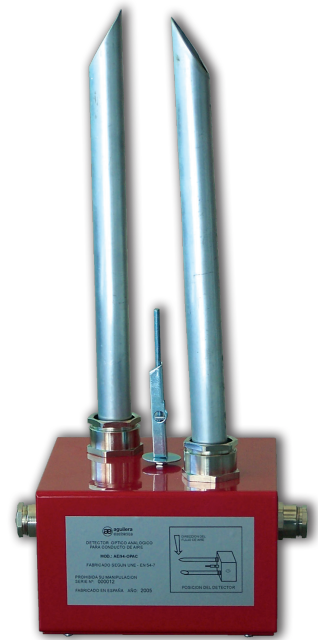
Description

Equipment manufactured by AGUILERA ELECTRÓNICA, consisting of an optical detector and metal box provided with an alarm pilot, cable entry connector and probe tube connectors that take samples from inside the conduits.

Analysis box for the detection of smoke in air conditioning ducts. Its operation is based on taking samples of the air that circulates through the duct and its analysis by means of the detector installed inside. The information collected by the detector is sent to the fire control panel. The effectiveness of duct detectors is reduced by dissolution caused by the extraction of clean air together with smoke, and, if the air conditioning equipment is switched off, smoke from a possible fire will reach the detectors very slowly. It incorporates an external status indication LED, to be able to view the status of the detector from the outside of the box.

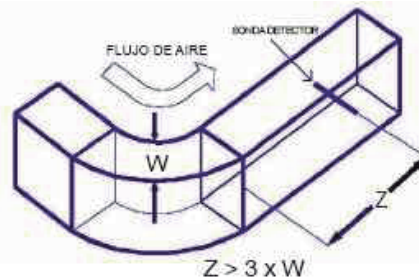
Connection

To make the connection with the fire panel, open the duct detector box by unscrewing the 4 screws on its base, and connect the cables from the control panel to the socket machined on the cover. To make the connection according to the type of detector, read the technical sheet of the detector that is attached with documentation status. On algorithmic and analog detectors code the detector accordingly to the personalization. See the corresponding detector manual for coding. For the passage of cables, the box is provided with two lateral cable glands.

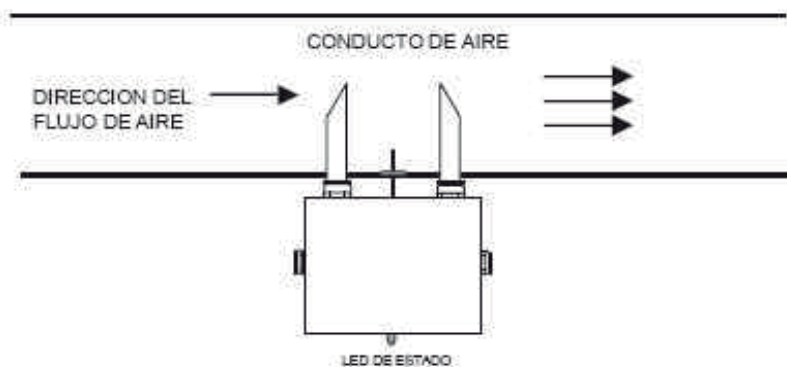


Installation

The detectors must be installed in a straight section of the duct, at a distance from the nearest curve, square or joint, at least 3 times the duct width, thus avoiding the effects of air turbulence.



To install it, use the fixing plug supplied in the box. Place the detector in the duct as indicated in the following figure:



TECHNICAL CHARACTERISTICS:

Temperature:	0 °C to 49 °C
Relative humidity:	10% to 93%, non-condensing
Air speed:	1.5 to 20 m / sg
Dimensions without probes:	160mm x 85mm x 135mm
Weight approx:	1.3 Kg