OPTICAL SMOKE DETECTOR MARINE SERIES
AE/M-OP

Description

Marine Certified Optical Smoke Detector, recommended for environments with high humidity.

Responds well to fires with fast burning flames.

Avoid false alarms

Increased detection reliability

Detection chamber keeps out dust and other airborne contaminants

Works in a wide range of voltages at extreme temperatures

Flashing LED option

Detection principle:

Photoelectric detection of light scattered by smoke particles at a wide range of angles. The optical sensor is made up of an infrared emitter with a prism and a photodiode with a 90º beam of light with a wide field of vision. The detector's microprocessor uses algorithms to process the sensor readings.

AE/M-B marine series socket

Designed for quick and easy installation. The base must be fixed to the ceiling respecting the mark on the outside that indicates the position of the LED.

• Grouped terminals for easy wiring

• Multiple fixing centers

• LED alignment mark

• Wire Stripping Guide

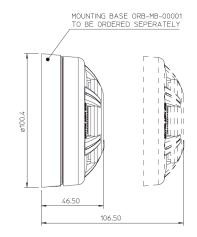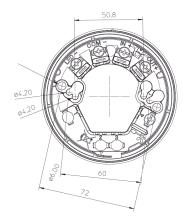| TECHNICAL CHARACTERISTICS	
Sampling rate:	once every four seconds
Operating voltage:	8.5 V DC to 33 V DC
Supply Wiring:	Two-wire supply, polarity sensitive
Maximum polarity reversal:	200 ms
Ignition time	< 20 seconds
Detector active minimum voltage:	6 V
Inrush current at 24 V:	95 µA
Average quiescent current at 24 V:	95 µA
Alarm current:	12V: 20mA
	24V: 40mA
Alarm load:	600 Ω
Holding voltage:	5 V - 33 V
Minimum holding current:	8 mA
Minimum voltage on alarm LED:	5 V
Alarm reset voltage	< 1 V
Alarm reset time:	one second
Alarm indicator:	Integral indicator with 360º visibility
Remote output LED (-) characteristic:	1.2 kΩ connected to negative supply
Operating and storage temperature:	-40ºC to +70ºC
Humidity (no condensation or icing):	0% to 98% RH
IP Rating:	IP23D
Standards and approvals:	EN54-7, MED, LR, BV, ABS, CCS and CRS
Dimensions:	97 mm diameter x 31 mm height
	100 mm diameter x 46 mm height with base
Weight:	75 g or 135 g with base
Materials Housing:	white fire retardant polycarbonate
Terminals:	nickel-plated stainless steel

Dimensions

MOUNTING BASE ORB-MB-00001
TO BE ORDERED SEPERATELY

ø100.4
46.50
106.50
50.8
ø4.20
ø4.20
ø6.00
60
72

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