



# ZEOS-C

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**FIRE ALARM DETECTOR**

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

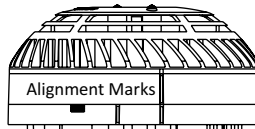
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### TECHNICAL SPECIFICATIONS

SUPPLY VOLTAGE	10 V to 30 V DC
CURRENT - QUIESCENT	Heat: 7 uA / Smoke: 33 uA / Smoke & Heat: 35 uA
CURRENT - DEVICE IN ALARM	24 mA - Alarm LEDs
SENSITIVITY	According to EN54-5 or/and EN54-7
CABLE SIZE	0.5-2.5 mm <sup>2</sup>
RESET/START-UP TIMES	20 seconds max.
COLOUR / CASE MATERIAL	White / ABS
MAX. HUMIDITY	95% RH Non-Condensing
NORMAL / TRANSIENT OPER. TEMPERATURE	0°C to 50°C / -10°C to 85°C
DIMENSIONS / WEIGHT	100 mm (D) x 50 mm (H) inc. base / 144 g inc. base
COMPATIBILITY	ORION, ORION MINI, ORION EX, ORION-PLUS, QUAD ZMU and ZMU

ORDER CODE	CERTIFICATE	DESCRIPTION
ZEOS-C-S	1328-CPR-0705	PHOTOELECTRIC SMOKE DETECTOR
ZEOS-C-H	1328-CPR-0706	RATE OF RISE/FIXED TEMP HEAT DETECTOR
ZEOS-C-SH	1328-CPR-0704	MULTISENSOR SMOKE & HEAT DETECTOR

### MECHANICAL SPECIFICATION



Detector Head

Detector Base

### INSTALLATION

#### INSTALLING THE BASE

To ensure proper fit of the detector head to the base, all wires should be properly dressed at installation by positioning all wires flat against terminals and fastening the wires away from connector terminals. The detector base can be mounted directly onto most standard electrical junction boxes.

#### INSTALLING THE HEAD

Align detector components using provided alignment marks on both the head and base. Align detector mark and short alignment mark on base. Fit the detector head onto the base and twist clockwise to secure it. After all detectors are installed, apply power to the control unit. Test the detectors as described below.

#### TESTING

All remote signalling systems, releasing devices and extinguishing systems should be disconnected during the test period and reconnected at the conclusion of testing. After powering the detector, check to see the indicator LED flashing every 5 seconds. If the LED fails to flash, it indicates the non-functioning of the detector or fault wiring. Re-check the wiring or replace the detector if necessary.

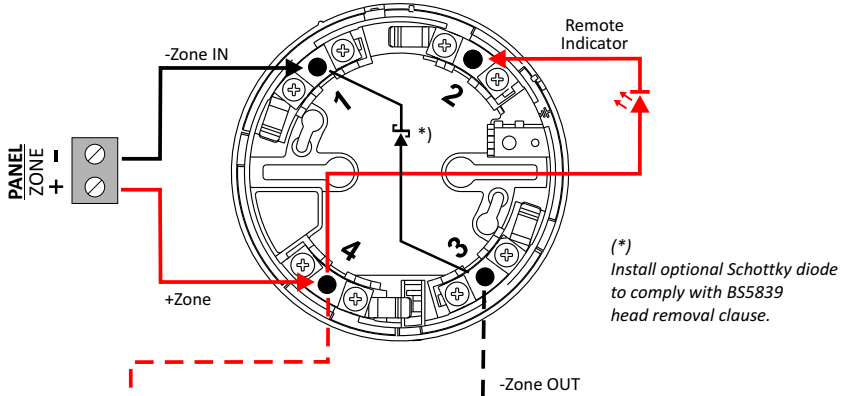
**SMOKE:** Allow smoke from a cotton wick or test smoke aerosol to enter the detector's smoke chamber for at least 10 seconds. When sufficient smoke has entered, the detector will signal an alarm. This will be indicated by the illumination of the 2 Red LEDs provided. Make sure to clear smoke out of the chamber before resetting in order to keep the detector at its current sensitivity setting.

**HEAT:** The detector to be tested should be subject to a flow of warm air at a temperature of between 65°C and 80°C. This requirement can be met by some domestic hair dryers. Switch on the warm airflow and check that the temperature is correct and stable. From a distance of several cms, direct the airflow at the guard protecting the thermistor. The detector should alarm within 60 seconds. Upon alarm immediately remove the heat source and check that the Red LEDs of the detector are illuminated. If a detector fails to activate within 60 seconds, confirm connections and programming. If necessary replace unit. Note: After testing, check that the system is returned to normal operation. Notify the appropriate authorities that the testing procedure has been completed and the system is active again.

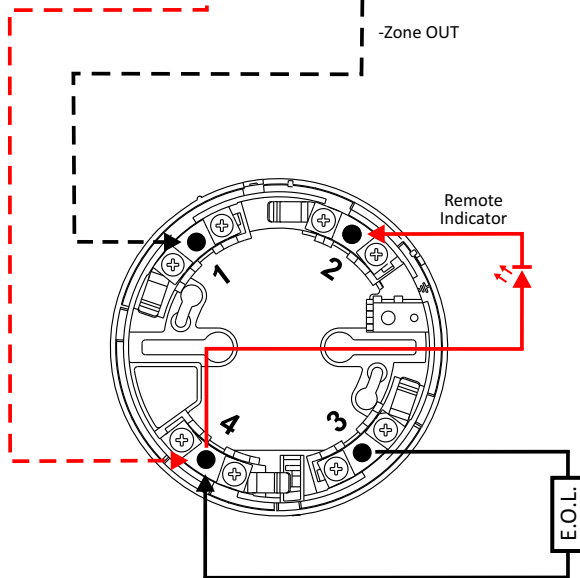
#### MAINTENANCE

The recommended minimum requirement for detector maintenance consists of annual cleaning of dust from the detector head using a low power vacuum cleaner. >> DO NOT ATTEMPT TO DISASSEMBLE THE DETECTOR

First Detector



Last Detector



**NOTE:** Positive terminal of remote indicator should be connected to terminal 4.