



APPLICATION

Optical smoke detector M500C are suitable for general fire detection applications, especially when slow or smoldering fires are expected with the result of visible smoke.

OPTICAL SMOKE DETECTOR



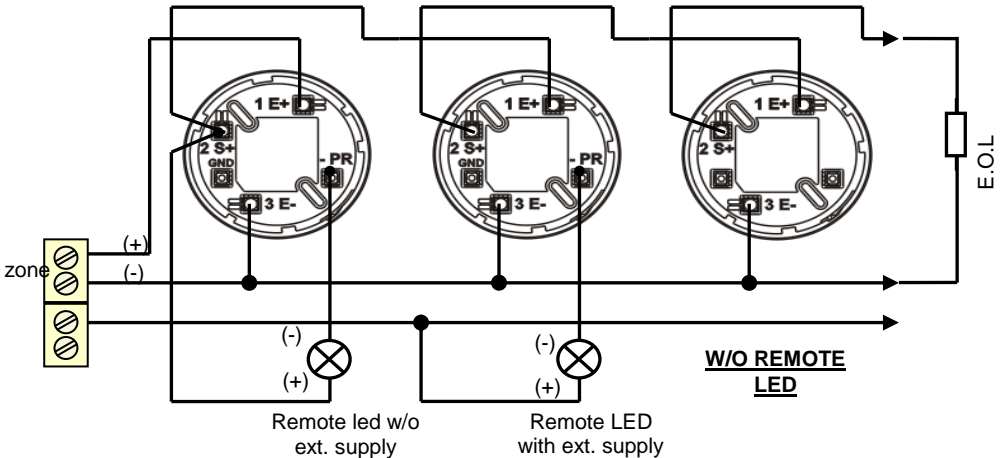
TECHNICAL SPECIFICATION

Supply voltage	8,5Vcc to 33Vcc
Quiescent current:	65uA @ 24V @25°C 95uA at the start
Alarm current:	27mA R=470 Ohms @24 Volts
Remote LED output	40mA
Operating temperature:	-10°C to 70°C
Storage temperature:	-20°C to 80°C
Relative humidity:	95% max. no condensating

FEATURES

The optical smoke detector M500C changes to alarm when smoke reaches the chamber increasing the air opacity more than 0,12dB., meeting EN 54-7:2001.

ELECTRICAL CONNECTION



BASE REMOVAL PROTECTION:

In order to prevent the removal of the detectors, the bases could be blocked by cutting the extreme of the tongue in the side. The detector can be removed with the press of the tongue with a screwdriver, allowing turning off the detector.

AUTOCHECK AND MAINTENANCE

M500C Optical Smoke Detector incorporate advanced features like autocheck and automatic drift compensation.


Within 30 seconds after commissioning or resetting, the detector takes as reference the surrounding air, indicating correct condition flashing his led at 3 or 4 seconds intervals. If opacity of the air or other condition causes readings out of range, the detector will inhibit and stop giving alarms if that condition persists, showing this status by a weak and fast flashing of his led.

To make possible testing with test spray, a short shot (less than 1 second) must performed and repeated after 10 seconds if necessary.

It is not recommended the use of spray test directly at very short distance as residues can remain inside the chamber, causing readings out of range and the inhibition of the detector.

The manufacturer reserves the right to change specifications without prior notice

EN 54/7 CERTIFICATION

 0370	SISTEMAS DE SEGURIDAD MIRA S.L. C/ Industria 5 - nave A 08800 Vilanova I La Geltru - Barcelona WWW.SIRDA.ES 11
0370-CPD-0532	
EN 54-5:2000, EN 54-6:2000(A1:2002) DETECTOR DE CALOR MODELOS: M501C / M501PK / M501A DATOS TÉCNICOS: VEASE EL MANUAL (en caso de requerir más informacion contacte con el fabricante)	

LEAT TECHNOLOGICAL CENTER, S.A. C.I.F. A-63207652



CERTIFICATE

N.º

0370-CPD-0686

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EE-CERTIFICATE OF CONFORMITY

In compliance with the Directive 89/106/EEC of the Council of European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to the construction products, and in accordance with the Commission Decision of 22 July 1993, it has been stated that the construction product, specified by the Council of European Communities, is in conformity with the requirements of the standard EN 54-5:2000, EN 54-6:2000(A1:2002).

FIRE DETECTOR AND FIRE ALARM SYSTEMS, PART 7, SMOKE DETECTORS, POINT DETECTORS USING SCATTERED LIGHT TRANSMITTED LIGHT OR IRRADIATION.

MODEL: M500C / M500A

Placed on the market by:
SISTEMAS DE SEGURIDAD MIRA, S.L.
C/ INDUSTRIA, 5 NAVE A
08800, VILANOVA I LA GELTRÚ (BARCELONA)
 And produced in the factory:
11/3201055


It is confirmed by the manufacturer to a factory production control and to the factory history of samples taken of the construction product, that the construction product, specified by the Council of European Communities, has performed the initial type-testing for the relevant characteristics of the product, the initial inspection of the construction product, the factory production control and an addressing of samples taken at the factory, on the market or at the construction site.

This certificate attests that all provisions concerning the attestation of conformity and the performances described in the Annex ZA of this standard have been applied and that the product fulfills all the prescribed requirements.

EN 54-7:2000, EN 54-7:2000(A1:2002), EN 54-7:2000(A2:2006)

This certificate was first issued on 18 July 2008 and remains valid as long as the conditions laid down in the certificate are fulfilled. The certificate is not valid if the construction product is modified significantly, if it is confirmed and modified on 11 November 2011.

Barcelona, 11th November 2011


 Xavier Riba Pujol
 General Manager
 Applus B U. Manager
 Authorized Inspection Organization N° 370, accredited by ENAC with accreditation OC-19009