

Installation & Connections Details

MX Call Points

SURFACE CALL POINT

This call point comes complete with back box to which the call point is mounted. The back box incorporates rear entry and fixing holes.

Template* allows for drilling one or two 20mm cable glands.

FLUSH CALL POINT

The flush call point mounts into the standard U.K. single gang back box with a depth of 25mm or greater.

TEST RESET

Push key into slot under right side (see diagram A)†, push up then turn clockwise 90° then pull down. The call point is now activated. To end test reverse procedure.

NB For break glass or plastic element front cover removal and fitting, push key socket into lock middle bottom front (see diagram A)†, turn anti clockwise 90° remove, reverse procedure for locking.

QUADRUPLE POLE TEST

Insert element, push up to three microswitches. Put tee-lever behind glass, bottom left, pull microswitch button down push element into place. Unit is now activated.

To test: Remove lid, remove element test then proceed as above. **DO NOT UNDER ANY CIRCUMSTANCES APPLY ANY FORCE, THIS WILL INVALIDATE THE WARRANTY.**

MX CALLPOINT ACCESSORIES

- MX00 Surface Mounting Box
- MX01 Test Key.Lock/Release Packs of 10
- MX02 Spare Glass Packs of 10
- MX03 Polycarbonate Transparent Hinged Cover
- MX04 Resettable Plastic Element Packs of 10

All callpoints are available in flush or surface, all types extra resistors fitted. Customers own labeling, customer fitted address boards for addressable/analogue systems.

Standard colours: Green, Red, Blue Yellow & White.

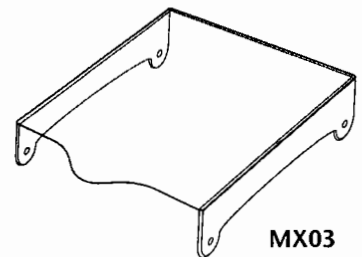
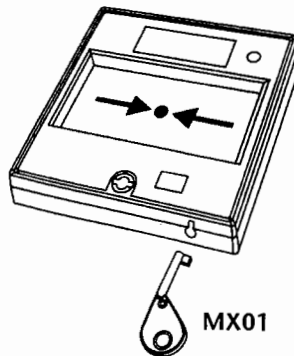
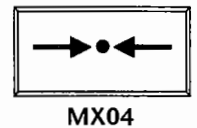
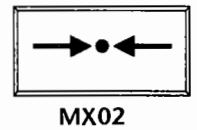
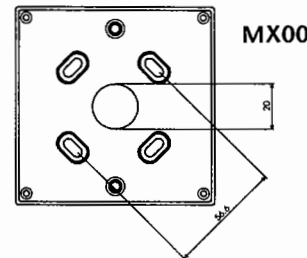
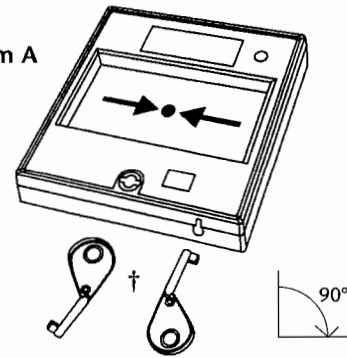
Either glass or resettable elements are compatible for all MX call points.

Specials available on request.

MX Callpoints: Patent applied for No: 0506447.2

MODEL	Standard	LED	NO	C/O
CONFIGURATION	Normally Open	Normally Open	Normally Open	Change Over
TERMINAL DETAILS	Terminals IN and OUT for cables 0.28mm ² ~ 2.5mm ² Terminal (1) Common Terminal (2) Normally Closed Terminal (3) Normally Open			
RATINGS & TEMPERATURE RANGE	Max 30 Volts DC -40°c to +85°c		5 amp 50 volts/DC 5 amp 12.5 volts/AC 3 amp 250 volts/AC	
MATERIALS	Details available on request			
IP RATING	For internal use only			

Diagram A



TEMPLATE*

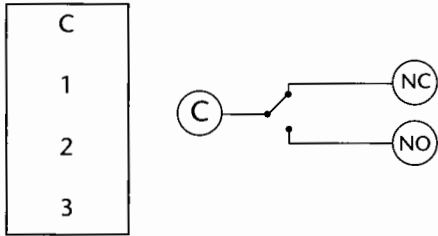


MANUFACTURED TO SPECIFICATIONS
EN54 PART 11

ISSUE EIGHT

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SINGLE POLE CONNECTIONS

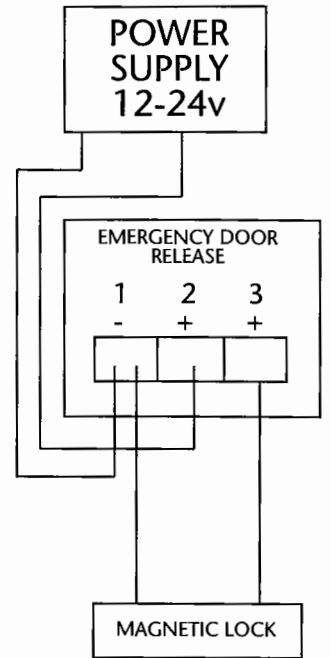


MAGNETIC LOCK RELEASE

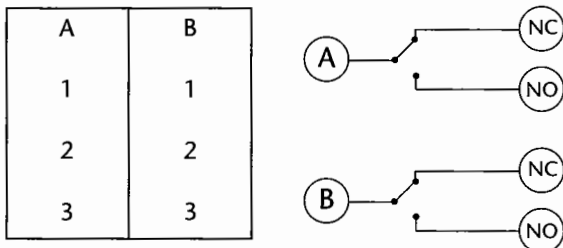
Terminal (1) negative (-)
LOOP IN/OUT

Terminal (2) positive (+)
IN

Terminal (3) Positive (+)
OUT



DOUBLE POLE CONNECTIONS

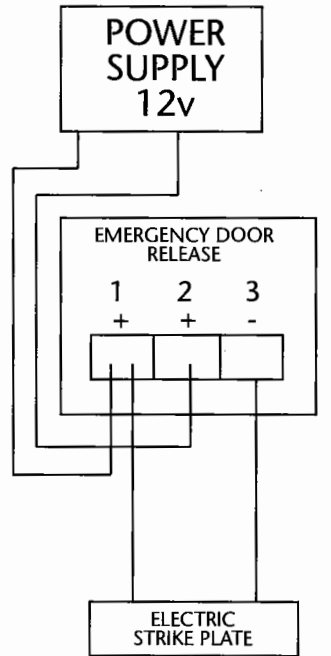


EMERGENCY DOOR RELEASE

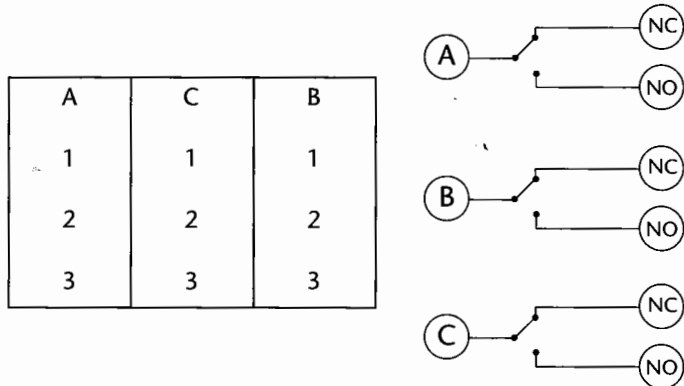
Terminal (1) Positive (+)
IN

Terminal (2) positive (+)
OUT

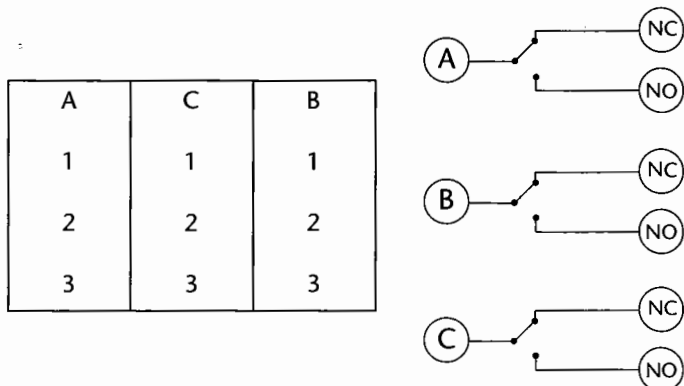
Terminal (3) negative (-)
IN/OUT



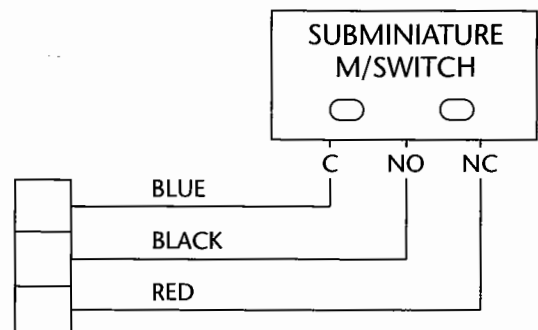
TRIPLE POLE CONNECTIONS



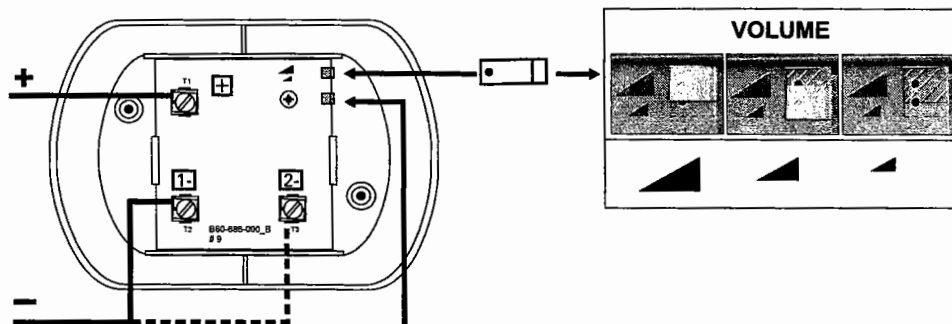
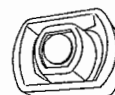
QUADRUPLE POLE CONNECTIONS



SUBMINIATURE M/SWITCH



INSTALLATION INSTRUCTIONS FOR WALL MOUNT SOUNDERS TYPE EMA1224B4R/W



CONNECTION TERMINALS				LINK	TONE	
+	1-	2-	⊕			
✓	✓		✓	—		800Hz continuous
✓		✓	✓	⎓		800Hz/1000Hz alternating
✓	✓			—		500Hz/1200Hz slow whoop
✓		✓		⎓		800Hz DIN tone

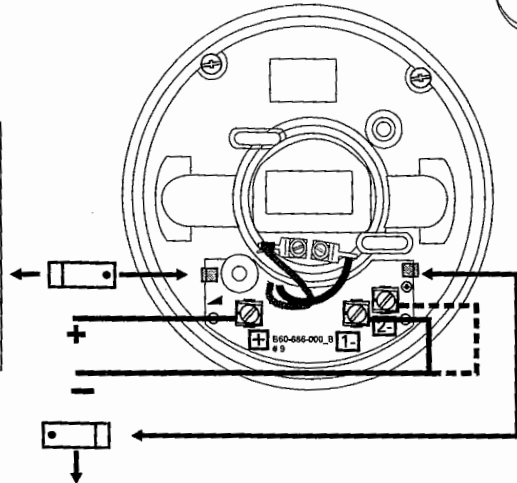
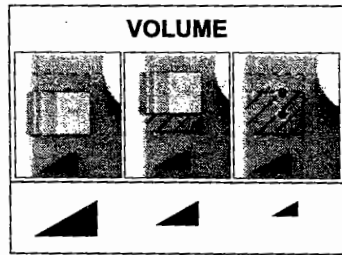
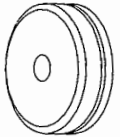
Specification

Voltage Range	12VDC (10V to 14V) 24VDC (21V to 27V)
Output	max.103dB(A) @ 1mtr Sounder Output data, in accordance with EN54-3, is available on request, or via the website (details below) Document Ref. D531.
Current	12mA @ 24VDC (800Hz continuous, High Volume)
Max wire size	2.5mm ²
Temperature Range	-30 to +70°C
IP Rating	Meets the requirements of EN54-3, Type A IP21C, when fitted to an approved mounting box

D-686 Issue 7

KAC Alarm Company Limited, Unit 15-19 Trescott Road, Redditch, B98 7AH, England.
Tel: +44 (0) 1527 406655 Fax: +44 (0) 1527 406677 www.kac.co.uk

INSTALLATION INSTRUCTIONS FOR WALL MOUNT SOUNDERS TYPE DBS1224B4W



CONNECTION TERMINALS				LINK	TONE	
+	1-	2-	⊕			
✓	✓		✓	—		800Hz continuous
✓		✓	✓	⎓		800Hz/1000Hz alternating
✓	✓			—		500Hz/1200Hz slow whoop
✓		✓		⎓		800Hz DIN tone

Specification

Voltage Range	12VDC (10V to 14V)
Output	24VDC (21V to 27V) max.93dB(A) @ 1mtr Sounder Output data, in accordance with EN54-3, is available on request, or via the website (details below). Document Ref. D531.
Current	12mA @ 24VDC (800Hz continuous, High Volume)
Max wire size	2.5mm ²
Temperature Range	-30 to +70C Meets the requirements of EN54-3, Type A IP21C, when fitted to an approved mounting box

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GENERAL DESCRIPTION

The Optical Smoke Detector type PSD-1 is designed to provide early warning of a fire condition, by reacting upon a fixed smoke concentration level in the protected area. The principle of functioning is based upon smoke particles entering the optical chamber causing distraction of infrared rays within the chamber. The activation threshold of the detector is factory set at a specific smoke concentration level.

The fire detector consists of a circuit board and a smoke detection chamber, mounted within the plastic body (Fig. 1, position 5). A flat pivot point screw (optional, Fig. 1, position 4) is provided to prevent unauthorized removal of the detector's head (Fig. 1, position 2). Two LEDs, (Fig. 1, position 3) illuminate to indicate fire condition state of the fire detector and offer 360 visibility.

TECHNICAL DATA

Supply voltage U_s	- (12-30)V DC
Average current consumption in quiescent state	- < 80 μ A
Alarm state current	
- with base type DB-0 and DB-1	- 8 mA /12V, 20 mA/22,5V, 25 mA/30V
- with base type DB-3 and DB-2	- 18 mA/12V, 50 mA/22,5V, 55 mA/30V
Sensitivity	- in compliance with EN 54-7
Protected area	- up to 120 m ² (in accordance with EN54)
Installation height	- up to 16 m (in accordance with EN54)
Output in alarm state at terminal 1	- OC type, through a 500 Ω resistor
Degree of protection	- IP 40
Operational temperature range	- minus 10°C / plus 60°C
Relative humidity resistance	- (93 \pm 3) % at 40°C
Dimensions (incl. base)	- \varnothing 106 mm, h 48 mm
Weight (incl. base)	- 0,160kg

INSTALLATION

Optical smoke fire detector type PSD-1 operates with bases type DB-0 (standard base), DB-1 (base with Schottky diode), DB-3 (base with relay output), DB-2 (base with Schottky diode and a 500 Ω resistor).

To install the fire detector and its base follow the sequence:

1. Fix the base on the ceiling of the protected premises using appropriate fixings.
2. Complete the wiring as shown on fig. 2 and in accordance with the construction projects of the site.
3. Replace the detector head on the base and rotate it in a clockwise direction to reach the base's leading channels (Fig. 3, position 1). Continue rotating in a clockwise direction to complete location. The bench marks of the head and the base should fully coincide (Fig. 3, position 2).
4. Lock the detector head to the base by screwing the flat pivot point screw clockwise (Fig. 1, position 4), using a special screwdriver, ensure not to over tighten. To unlock the detector head unscrew the flat pivot point screw and release the fire detector head.

TESTING THE FIRE DETECTOR

Test the fire detector after installation, as a part of the site's fire alarm system or after maintenance, in accordance with the requirements set in section Service schedule.

To test the fire detector using a smoke probe follow the sequence:

1. Apply power to the fire detector from the fire alarm line. The range of the power is defined in section Technical data. You may supply power from the fire control panel or from an additional power supply unit.
2. Wait for 1 minute to settle the power in the fire alarm line and exert influence on the fire detector by smoke generator or another device with aerosol simulator of smoke. Within 30 seconds the fire detector shall enter fire condition and the LEDs (Fig. 1, position 3) will illuminate.
3. Interrupt the power supply from the fire alarm line for a moment. The fire detector shall enter duty mode and the LEDs (Fig. 1, position 3) will be extinguished.

SERVICE SCHEDULE

The service of the fire detectors shall be completed with the following periodicity:

- | | |
|---|------------------|
| 1. Inspection for visible physical damage | - weekly |
| 2. Satisfactory operation test in real conditions | - monthly |
| 3. Check and clean dust contamination | - every 6 months |
| 4. Check and clean base and head contacts and connections | - Annually |

To complete task 3 remove the chamber's upper part. Brush the optical system and the lenses. The chamber's upper part can be detergent washed, rinsed and dried.

ATTENTION: When locating the optical chamber fix the upper part so that bench marks coincide.

WARRANTY

The warrant period is 36 months from the date of manufacture. The manufacturer guarantees the normal operation of the unit providing that the requirements set herein have been observed. The manufacturer does not bear warranty liabilities for damages caused through accidenta mechanical damage, misuse, adaptation or modification after production. The manufacturer bears warranty liabilities for damages in the fire detector caused through manufacturer's fault only

Manufacturer: UniPOS Ltd., 114 Grenaderska Street, Pleven 5800, Bulgaria, <http://www.unipos-bg.com>
Distributor: Elite Security Products(ESP), Unit 7 Leviss Trading Estate, Station Road, Stechford, Birmingham B33 9AE, UK, <http://www.espu.com>

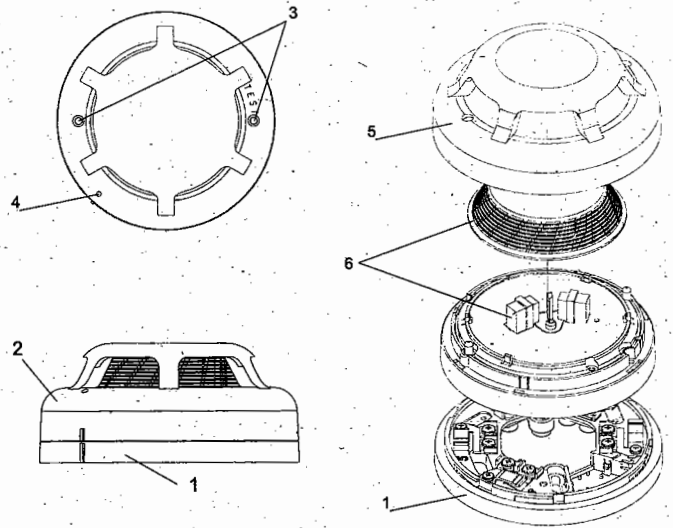


Fig. 1

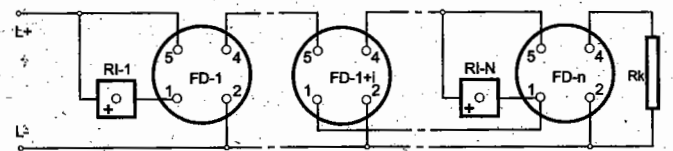


Fig. 2



Fig. 3