2020R, 2020F and 2020HF

0832
2020R: 0832-CPD-0183
2020F: 0832-CPD-0184
2020HF: 0832-CPD-0185

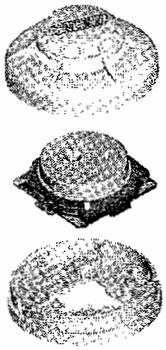


Fig. 1 / Abb. 1

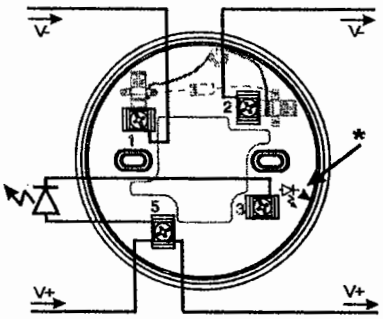
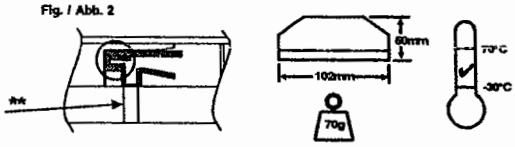


Fig. 1 / Abb. 2



INSTALLATION AND MAINTENANCE INSTRUCTIONS FOR 2020R, 2020F AND 2020HF THERMAL DETECTORS

GB

SPECIFICATIONS

Supply Voltage:	14 - 28 VDC	
Quiescent Current:	2020R and 2020F	2020HF
	55µA Typical at 24VDC, 25°C	60µA Typical at 24VDC, 25°C
Latching Alarm:	Reset by momentary power interruption.	

See 2020R, 2020F or 2020HF Technical Data Sheets for further details

WARNING - Detector characteristics may vary from other manufacturer products. Check compatibility with panel supplier for any limitations. eg: maximum quantity of devices per circuit.

BASE MOUNTING AND WIRING INSTRUCTIONS

See figure 2 for terminal connections. Detector LED position marked by diode symbol and arrow on base wall (See fig 1 *)

Notes: Do not loop wire under terminals: Break the wire run to ensure supervision of connections.
All wiring must conform to applicable local and national codes and regulations.

Each 2020B base is fitted with a shorting spring to connect across terminals 1 and 2 to permit loop wiring to be checked before installation of detector heads. This spring automatically disengages when the detector is fitted into the base.

WARNING - Remove power from detector monitoring circuits before installing detectors.

DETECTOR INSTALLATION

1. Place the detector into the detector base and rotate clockwise with gentle pressure until the detector drops into place. Continue rotating clockwise until the slot in the detector cover lines up with the lines moulded in the base (See fig 2 **)
3. After all detectors have been installed, apply power to the detector monitoring circuits.
4. Test the detector as described under TESTING.

Tamper-Resistance

The removal of the small plastic tab on the base indicated in figure 2 prevents the removal of the detector head without a tool.

CAUTION - Dust covers must be removed before the system can be made operational.

TESTING

Heat Method

1. Using a heat tool from an approved manufacturer such as No Climb Products Ltd, apply in accordance with the suppliers instructions
2. The red LED on the detector should latch into alarm within 40 seconds, and the control panel should activate into alarm.

Laser Test Tool Method (Model No. 2020LT)

Note: This method does not carry out a complete functional test of the detector.

1. Align the flashing red spot produced by the laser beam with the LED on the detector.
2. The detector should latch into alarm within a few seconds, and the control panel should activate into alarm.

MAINTENANCE

1. Remove the detector to be cleaned from the system.
2. Gently release each of the cover removal tabs that secure the cover in place and remove the detector cover.
3. Vacuum or use compressed air to remove dust and debris from the area around the exposed thermistor.
4. Reinstall the detector cover. Align the LED with the cover assembly and snap the cover into place, ensuring that all the cover removal tabs are correctly engaged.
5. When all the detectors have been cleaned, restore power to the circuit and test the detector as described in TESTING above.

WARNING - LIMITATIONS OF HEAT DETECTORS

Heat detectors will only work when connected to a functioning, compatible control panel.

Heat detectors have sensing limitations. They will not sense fires where heat does not reach the detector, and different types of detector will respond differently to various heat conditions.

Heat detectors cannot last forever, and we recommended replacement after 10 years.

RIVELATORI DI CALORE 2020R, 2020F ED 2020HF ISTRUZIONI DI INSTALLAZIONE E MANUTENZIONE

I

SPECIFICHE

Tensione di alimentazione:	14 - 28 VDC	
Corrente di riposo:	2020R and 2020F	2020HF
	55µA tipico @ 24VDC, 25°C	60µA tipico @ 24VDC, 25°C
Mantenimento allarme:	RESET mediante interruzione temporanea dell'alimentazione	

Maggior dettagli sono disponibili su Data Sheet dei rivelatori 2020R, 2020F ed 2020HF

AVVERTENZA - le caratteristiche del rivelatore possono essere diverse da quelle di altri prodotti del fornitore. Controlli la compatibilità con il fornitore del pannello per ogni limitazione: per es. quantità massima di dispositivi per zona.

MONTAGGIO DELLA BASE ED ISTRUZIONI PER IL CABLAGGIO

edere figura 1 per il collegamento dei terminali. La posizione che sarà assunta dall'indicatore LED del rivelatore è segnalata dal simbolo del diodo e dalla freccia locati sulla superficie interna della base di montaggio (vedere figura 1*).

Note: Interrompere sempre il cablaggio per assicurare la supervisione delle connessioni. Il cablaggio deve soddisfare le norme ed i regolamenti applicabili.

Ogni base 2020B è dotata di una molla di cortocircuito che può essere utilizzata per collegare i terminali 1 e 2 permettendo così di verificare l'integrità del cablaggio prima di procedere al montaggio dei rivelatori. Questa molla recupera la posizione di riposo automaticamente all'innesto di un sensore.

ATTENZIONE - Togliere alimentazione ai dispositivi che controllano i rivelatori prima di installarli.

INSTALLAZIONE DEL RIVELATORE

1. Posizionare il rivelatore nella base e ruotarlo in senso orario, esercitando una lieve pressione, fino a quando il rivelatore non scivola in posizione. Continuare la rotazione fino a che la fessura del rivelatore non risulta allineata al riferimento in rilievo della base (vedere figura 2**).
2. Dopo aver installato tutti i rivelatori, dare l'alimentazione ai dispositivi che ne effettuano il monitoraggio.
3. Verificare i sensori come descritto nel paragrafo TEST.

Anti-manomissione

La rimozione della piccola linguetta in plastica indicata in figura 2 rende necessario l'impiego di un utensile per togliere il rivelatore dalla sua base.

CAUTELA - Le coperture parapolvere devono essere rimosse dai rivelatori prima che il sistema sia reso operativo.

TEST

Risposta al calore

1. Utilizzare un apparecchio di test della No Climb Products Ltd (od equivalente) secondo le istruzioni fornite dal costruttore.
2. Il LED rosso sul sensore deve accendersi entro 40 secondi e la centrale di controllo deve indicare la condizione di allarme.

Telecomando laser (Accessorio codice 2020LT)

Nota: questo test non verifica completamente la funzionalità del rivelatore.

1. Allineare il fascio laser (punto lampeggiante rosso) prodotto dall'accessorio al LED del rivelatore.
2. Il LED rosso sul rivelatore deve accendersi entro pochi secondi e la centrale di controllo deve indicare la condizione di allarme.

MANUTENZIONE

1. Rimuovere dalla sua base il rivelatore da pulire
2. Rilasciare con delicatezza i ganci che fissano la calotta alla parte interna del rivelatore e rimuoverla.
3. Utilizzando un aspirapolvere oppure dell'aria compressa, rimuovere fibre e polvere dalla camera ottica e, in caso venga utilizzato, dalla parte interna del coperchio.
4. Rimontare la calotta del rivelatore (il foro per il LED sulla calotta indica il corretto orientamento) assicurandosi che tutti i ganci trattengano correttamente la parte interna del rivelatore.
5. Quando tutti i rivelatori sono stati puliti, alimentare il sistema e testare i rivelatori come descritto nella sezione TEST

ATTENZIONE - LIMITAZIONI DEI RIVELATORI DI FUMO

I rivelatori di fumo funzionano solamente se collegati ad una centrale di controllo compatibile ed operativa.

I rivelatori di fumo hanno limitazione di sensibilità. Non verrà dato allarme se il fumo non raggiunge il rivelatore; differenti tipi di rivelatore si comporteranno in maniera diversa ai vari tipi di fumo.

I rivelatori di fumo hanno una durata limitata, ne consigliamo la sostituzione ogni 10 anni.

INSTRUCCIONES DE INSTALACIÓN Y MANTENIMIENTO PARA LOS DETECTORES TERMICOS 2020R, 2020F Y 2020HF

ES

ESPECIFICACIONES

Tensión de Alimentación:	14 - 28 VDC	
Corriente en reposo	2020R and 2020F	2020HF
	55µA Típica @ 24VDC, 25°C	60µA Típica @ 24VDC, 25°C
Enclavamiento de la Alarma:	Reamrado mediante supresión momentánea de la tensión de alimentación.	

Vea la Hoja de Características Técnicas de 2020R, 2020F y 2020HF para posteriores detalles

ADVERTENCIA - Las características del detector pueden variar según el fabricante del producto. Compruebe la compatibilidad con el distribuidor de la central para saber si existe alguna limitación, ej: La cantidad máxima de equipos por circuito.

MONTAJE DE LA BASE E INSTRUCCIONES DE CABLEADO

Vea las conexiones de los terminales en la figura 1. La posición del LED se marca con el símbolo del diodo y una flecha en la base (véase la fig.1 *).

Notas: No haga ramales con los cables comunes: Interrumpa el recorrido del hilo para asegurar la supervisión de las conexiones. Todo el cableado deberá cumplir la normativa y reglamentos locales y nacionales aplicables

Las bases 2020B disponen de una pestaña metálica de cortocircuito que se puede utilizar para conectar los terminales 1 y 2, permitiendo así la comprobación del cableado del lazo antes de la instalación de las cabezas detectoras. Esta pestaña se desconecta automáticamente al acoplar el detector en la base.

AVISO - Desconecte la alimentación de la línea de los detectores antes de instalar éstos.

INSTALACIÓN DEL DETECTOR

1. Sitúe el detector en su base y gírelo en sentido horario ejerciendo una ligera presión, hasta que éste encaje en su sitio. Continúe girando hasta que la ranura del detector quede alineada con las líneas marcadas en la base (véase la fig. 2 **).
2. Una vez instalados los detectores conecte la alimentación de los circuitos de monitorización de éstos.
3. Compruebe el detector según se describe en el apartado PRUEBAS.

Opción de seguridad antimanipulaciones (bloqueo de extracción del sensor).

Si se quita la pequeña solapa de plástico de la base, mostrada en la figura 2, se evita que el detector se desconecte sin utilizar la herramienta.

PRECAUCIÓN - Es necesario retirar las cubiertas guardapolvo antes de llevar el sistema al estado operacional.

PRUEBAS

Método de Calor

1. Utilice una herramienta de calor suministrada por un fabricante homologado, como No Climb Products Ltd, aplicándolo de acuerdo con las instrucciones del fabricante.
2. El LED rojo del detector ha de encenderse y quedar enclavado en estado de alarma en los próximos 40 segundos, activándose la alarma en el panel de control.

Método de Prueba con Láser (Modelo Núm. 2020LT)

Nota: Este método no lleva a cabo una comprobación funcional completa del detector.

1. Alinee el punto rojo producido por el rayo láser con el LED del detector.
2. A los pocos segundos el detector ha de quedar enclavado en el estado de alarma, y se debe activar la alarma en el panel de control.

MANTENIMIENTO

1. Retire del sistema el detector que vaya a limpiar.
2. Libere con cuidado cada una de las lengüetas que sujetan la tapa del detector y retire dicha tapa.
3. Utilice un aspirador o aire comprimido para eliminar el polvo y la suciedad del área que rodea al termistor expuesto.
4. Reinstale la tapa del detector. Alinee el LED con la tapa y encaje ésta en su sitio, asegurándose de que las lengüetas de fijación de la tapa están ancladas correctamente.
5. Cuando termine de limpiar todos los detectores conecte la alimentación al circuito y compruébelos según se describe anteriormente en el apartado PRUEBAS.

AVISO - LIMITACIONES DE LOS DETECTORES TÉRMICOS

Los detectores térmicos sólo funcionarán si están conectados a un panel de control compatible y operacional.

Los detectores térmicos poseen limitaciones de detección. No detectarán los fuegos en los que el calor no llegue el detector, y los detectores de diferente tipo responderán de forma distinta a los diversos tipos de condiciones térmicas.

Los detectores térmicos tienen una duración limitada, y por ello, recomendamos su sustitución cada 10 años.

EINBAU UND WARTUNGSANWEISUNGEN FÜR DIE THERMOMELDER DER MODELLE 2020R 2020F UND 2020HF

D

SPEZIFIKATIONEN

Versorgungsspannung:	14 - 28 VDC	
Ruhestrom:	2020R and 2020F	2020HF
	55 µA typisch @ 24VDC, 25°C	60 µA typisch @ 24VDC, 25°C
Alarmverriegelung:	Wird durch kurzzeitige Unterbrechung der Stromversorgung zurückgesetzt.	

Weiterführende Informationen finden Sie in den technischen Datenblättern der Melder 2020R, 2020F und 2020HF.

WARNUNG! Die Melder-Charakteristik kann bei unterschiedlichen Herstellern variieren. Überprüfen Sie die technischen Beschränkungen der Brandmelderzentralen. Z.B: maximale Anzahl pro Kreis.

ANWEISUNGEN FÜR DEN EINBAU DES SOCKELS UND FÜR DIE VERDRAHTUNG

Die Anschlußbezeichnungen sind in Abb. 1 angegeben. . Die Position der Melder-LED ist durch ein Diodensymbol und einen Pfeil an der Sockelwand gekennzeichnet. (siehe Abb. 1*).

Hinweise: Schleifen Sie die Drähte an den Anschlußklemmen nicht durch: schneiden Sie die Drähte durch, damit eine visuelle Kontrolle der Verbindungen möglich ist.
Die gesamte Anschlußverdrahtung muß den anwendbaren lokalen bzw. nationalen Vorschriften entsprechen.

Die Sockel für die Melder 2020B sind mit einer Kurzschlußfeder ausgerüstet, die für eine Verbindung zwischen den Anschlüssen 1 und 2 sorgt, so daß die Verdrahtung des Loop vor dem Einsetzen der Melderköpfe überprüft werden kann. Dieser Federkontakt wird automatisch geöffnet, wenn der Melder in den Sockel eingesetzt wird.

WARNUNG - Schalten Sie die Stromversorgung sämtlicher Überwachungskreise ab, bevor Sie die Melder einsetzen.

EINBAU DER MELDER

1. Führen Sie den Melder in den Meldersockel ein und drehen Sie ihn mit leichtem Druck im Uhrzeigersinn, bis er in die Aufnahme rutscht. Drehen Sie weiter, bis die Kerbe im Melder mit der Markierung im Sockel übereinstimmt (siehe Abb. 2**).
2. Wenn Sie alle Melder eingebaut haben, schalten Sie die Stromversorgung der Melderüberwachungskreise ein.
3. Testen Sie den Melder gemäß der Beschreibung unter TESTEN.

Ausbauschutz

Durch das Entfernen in Abb. 2 gezeigten Kunststofflasche wird verhindert, der Melderkopf ohne Werkzeug entfernt werden kann.

VORSICHT - Vor der Inbetriebnahme des Systems müssen die Staubschutzabdeckungen entfernt werden.

TESTEN

Wärme-Methode

1. Verwenden Sie zum Erwärmen ein Werkzeug eines anerkannten Herstellers, z.B. No Climb Products Ltd, und benutzen Sie es entsprechend den Anweisungen dieses Herstellers.
2. Die rote LED am Melder muß innerhalb von 40 Sekunden in einen verriegelten Alarmzustand gehen, und an der Brandmelderzentrale wird ein Alarm aktiviert.

Verfahren mit einem Laser-Testwerkzeug (Model Nr. 2020LT)

Hinweis: Diese Methode erlaubt keinen vollständigen Funktionstest des Melders.

1. Richten Sie den blinkenden roten Punkt des Laserstrahls mit der LED am Melder aus.
2. Der Melder muß innerhalb weniger Sekunden in einen verriegelten Alarmzustand gehen, und an der Brandmelderzentrale muß ein Alarm aktiviert werden.

WARTUNG

1. Entfernen Sie den zu reinigenden Melder aus dem System.
2. Lösen Sie vorsichtig die Ausbaulaschen, die die Abdeckung an ihrem Platz halten, und nehmen Sie die Melder-Abdeckung ab.
3. Benutzen Sie einen Staubsauger oder Druckluft, um Staub oder Ablagerungen aus dem Bereich um den freiliegenden Thermistor herum zu entfernen.
4. Setzen Sie die Abdeckung des Melders wieder auf. Richten Sie die LED mit der Abdeckungs-Anordnung aus, und lassen Sie die Abdeckung an ihrem Platz einschnappen; achten Sie dabei darauf, daß alle Ausbaulaschen der Abdeckung ordnungsgemäß eingreifen.
5. Wenn Sie alle Melder gereinigt haben, schließen Sie die Stromversorgung wieder an den Überwachungskreis an, und testen Sie den Melder, wie unter TESTEN oben beschrieben.

WARNUNG - EINSCHRÄNKUNGEN FÜR THERMOMELDER

Thermomelder können nur funktionieren, wenn sie an eine betriebsbereite, kompatible Melderzentrale angeschlossen sind.

Die Erkennungsmöglichkeiten sind für Thermomelder begrenzt. Sie können einen Brand nicht erkennen, wenn die Hitze den Melder nicht erreicht, und unterschiedliche Meldertypen reagieren auf diverse Bedingungen, unter denen die Hitze auftritt, sehr unterschiedlich.

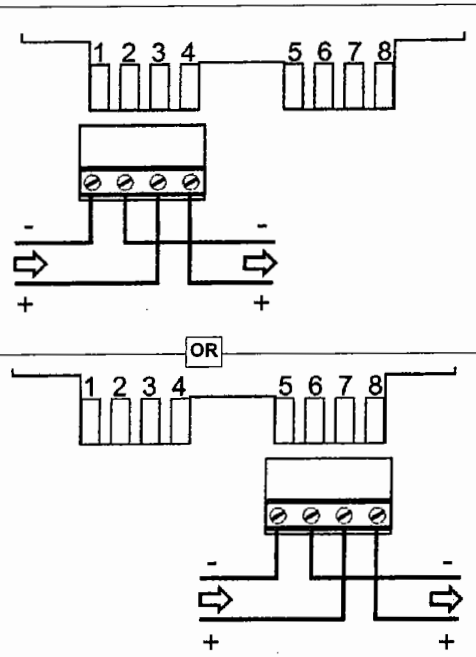
Thermomelder haben keine unbegrenzte Lebensdauer, und wir empfehlen einen Austausch nach 10 Jahren.

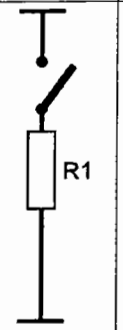
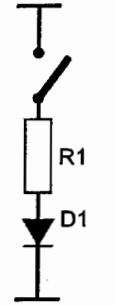
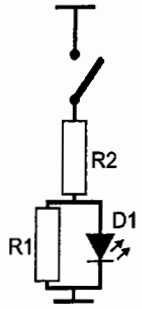
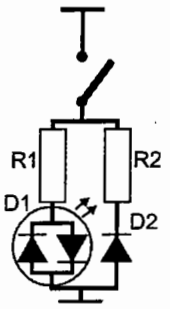
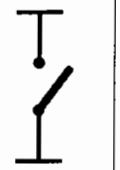
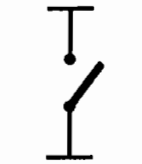
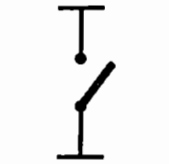
Pittway Tecnologica S.r.l., Via Caboto 19/3, 34147 Trieste, ITALY

I56-2106-001

KAC INSTALLATION INSTRUCTIONS FOR THE MANUAL CALL POINT MODELS MUS1....,MUS2....,MUS3....,MUS4....

CONNECTION DETAILS

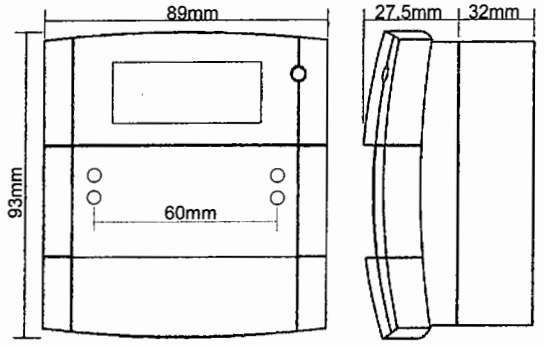


MUS1A-X	MUS1B-X	MUS2A-X	MUS2B-X
			
			

X in the MUS code (left) represents the final digits of the part number, which indicate MUS colour, component values, mounting options and element type.

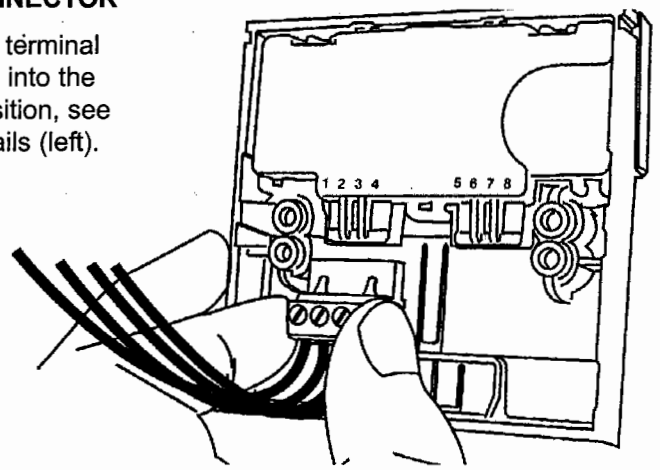
eg MUS1A -R470SF
II
(MUS1A, Red, 470R, Surface, Flexible Element).

DIMENSIONS

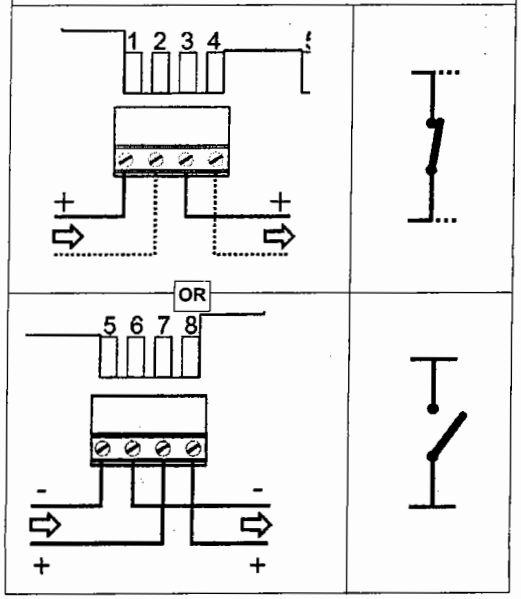


PUSH FIT CONNECTOR

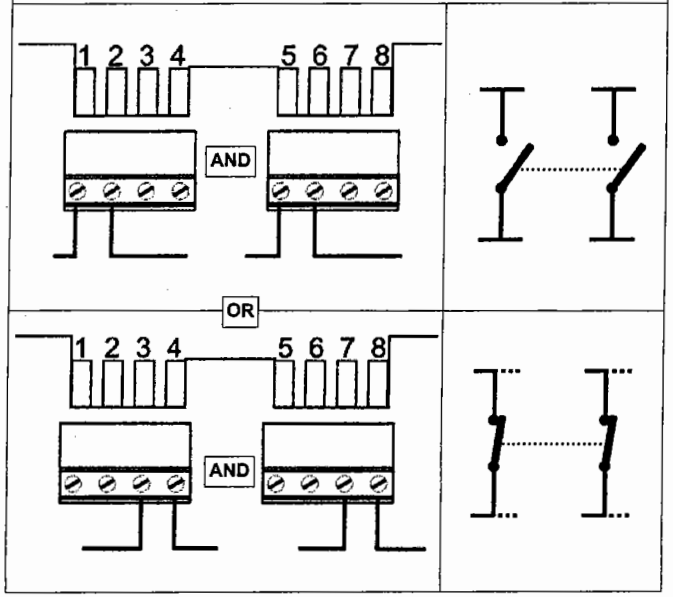
After wiring the terminal connector, plug into the appropriate position, see connection details (left).



CONNECTION DETAILS MUS3A-X



CONNECTION DETAILS MUS4A-X



TECHNICAL DATA

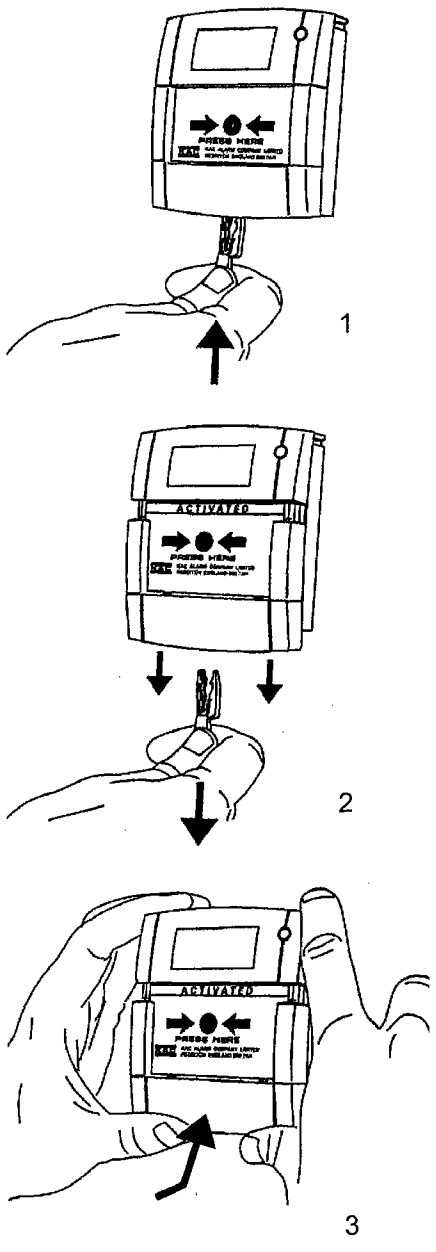
- 30VDC Max
- 2A Max
- IP24D
- 110/160g
- -10°C to 55°C
- Red, Ral 3001
  Yellow, Ral 1006
  Green, Ral 6016
  White, Ral 9010
  Blue, Ral 5002

IMPORTANT NOTE:
PLEASE DO NOT OVER TIGHTEN FIXING SCREWS

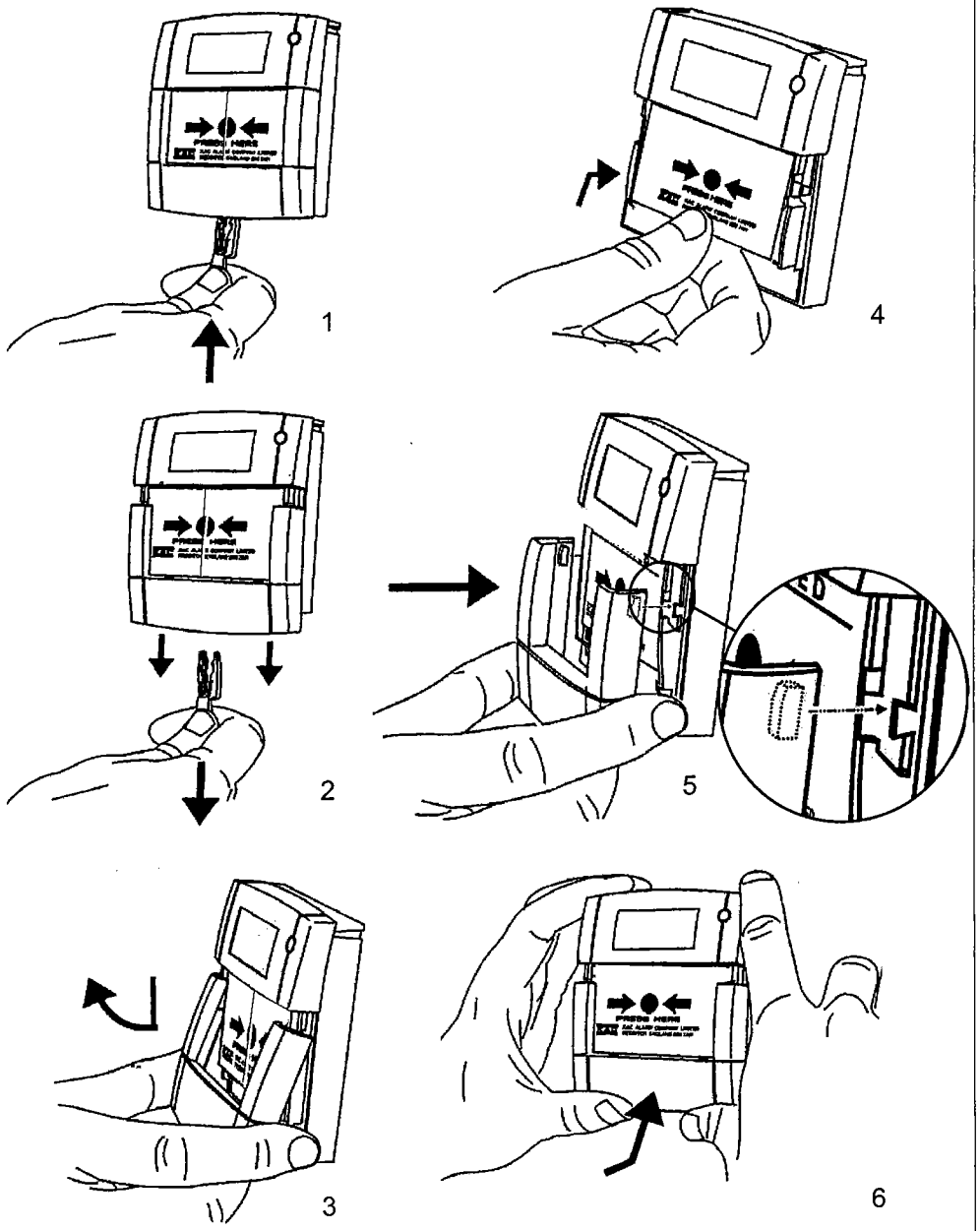
D712 issue 2

INSTALLATION INSTRUCTIONS FOR THE MANUAL CALL POINT MODELS MUS1....,MUS2....,MUS3....,MUS4....

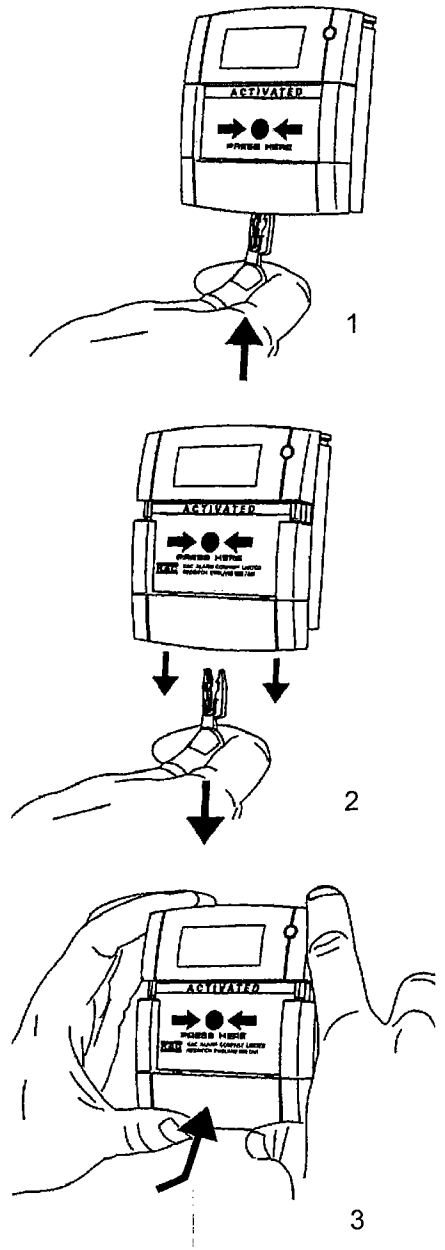
TO TEST



TO REPLACE GLASS / RESETTABLE ELEMENT



TO RESET



KAC ALARM COMPANY LIMITED, Units 15-19 Trescott Road, Redditch, Worcestershire, England. B98 7AH. T. +44 (0) 1527 406655 F. +44 (0) 1527 406677 E. technical@kac.co.uk W. www.kac.co.uk

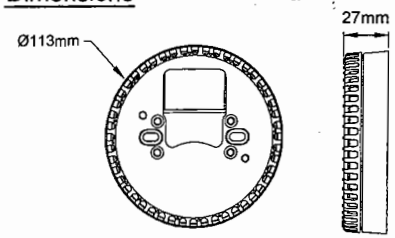
SQUASHNI

Specification

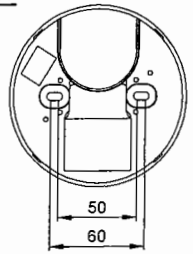
Specifications shown with an * have NOT been verified to be compliant with EN54-3

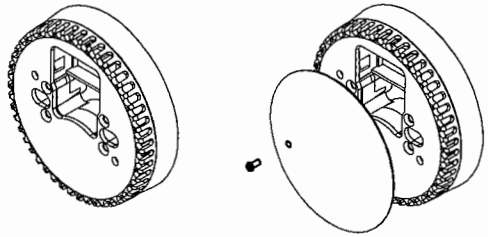
Wire Termination	Screw terminals for 0.28mm² to 2,5mm² wire conductors
Operating Voltage	24V Nom (18 ~ 28VDC) (9 ~ 18VDC* Non Fire Use)
Start Current	8 ~ 35mA
Current Consumption Nom	See Tones Table Overleaf
Operating Temperature	-10°c ~ +55°c
Monitoring Mode	Reverse Polarity
Second Tone	Connect third wire to -ve
Internal Fuse	N/A
Case Material	ABS
Environment Category	Type A
Ingress Protection	IP21C (with cover supplied)
Compliance	EN54-3 Fire Alarm Device - Sounder

Dimensions



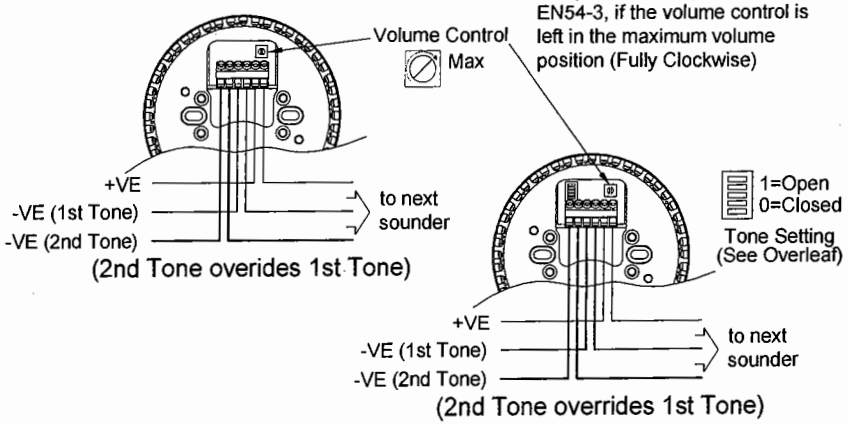
Fixing Details





- Drill holes in mounting surface and fit raw plugs, etc as necessary.
- Connect wires to the terminal block as shown below.
- Screw cap to sounder. (Where applicable)

Connection Details



Note:
The product is only compliant with EN54-3, if the volume control is left in the maximum volume position (Fully Clockwise)

CE marking under the CPD was affixed on : See Batch Code on product.
Fulleon Ltd, Cwmbran, South Wales, UK
See Fulleon Web Site : www.fulleon.co.uk

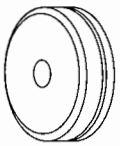
0832-CPD-0139

25-5723 Iss D

Primary tone	Secondary tone	Switch setting	Tone description				Main Application	Squashni		
									* 24Vdc on axis	EN54-3 28Vdc see notes
		12345	Pattern	Frequency Hz	Rate	Depiction		mA	dB(A)	dB(A)
1	14	11111	Alternating	800 & 970	2Hz (250ms-250ms)		BS Fire tone	18	93	*
2	14	11110	Sweep	800 to 970	7Hz (7/s)		BS Fire tone	18	93	*
3	14	11101	Sweep	800 to 970	1Hz (1/s)		BS Fire tone	18	93	90
4	14	11100	Continuous	2850	Steady			32	102	*
5	4	11011	Sweep	2400 to 2850	7Hz			30	102	*
6	4	11010	Sweep	2400 to 2850	1Hz			30	102	*
7	14	11001	Slow whoop	300 to 1200	3s sweep, 0.5 s silence, then repeat		Dutch Fire tone	20	91	90
8	14	11000	Sweep	1200 to 500	1Hz		Din tone	16	91	90
9	4	10111	Alternating	2400 & 2850	2Hz (250ms-250ms)			30	101	*
10	14	10110	Intermittent	970	0.5Hz (1s On/1s Off)			12	91	*
11	14	10101	Alternating	800 & 970	1Hz (500ms-500ms)		BS Fire tone	18	92	*
12	4	10100	Intermittent	2850	0.5Hz (1s On/1s Off)			24	98	*
13	14	10011	Intermittent	970	0.8Hz (250ms On/1s Off)			8	87	*
14	14	10010	Continuous	970	Steady		BS Fire tone	20	92	87
15	14	10001	Alternating	554 & 440	100ms-400ms		French fire tone	12	87	*
16	16	10000	Intermittent	660	3.3Hz (150ms On/150msOff)		Swedish fire tone	9	88	*
17	17	01111	Intermittent	660	0.28Hz(1.8s On/1.8s Off)		Swedish fire tone	12	92	*
18	18	01110	Intermittent	660	0.05Hz (13s Off / 6.5Hz On)		Swedish fire tone	14	93	*
19	19	01101	Continuous	660	Steady		Swedish fire tone	14	93	*
20	20	01100	Alternating	554 & 440	0.5Hz (1s On/1s Off)		Swedish fire tone	13	90	*
21	21	01011	Intermittent	660	1Hz (500ms-500ms)		Swedish fire tone	10	90	*
22	14	01010	Intermittent	2850	4Hz (150ms On/100ms Off)		Pelican crossing	22	98	*
23	14	01001	Sweep	800 to 970	50Hz		BS Fire tone	18	92	*
24	4	01000	Sweep	2400 to 2850	50Hz			25	102	*
25	25	00111	Intermittent	970	3 x 500ms pulses followed by 1.5s silence then repeat		ISO 8201	14	88	*
26	26	00110	Intermittent	2850	3 x 500ms pulses followed by 1.5s silence then repeat		ISO 8201	20	97	*
27	27	00101	Continuous	4000	Steady			35	98	*
28	10	00100	Alternating	800 & 970	2Hz (250ms-250ms)		BS Fire tone	17	92	*
29	33	00011	Alternating	990 & 650	2Hz (250ms-250ms) (Symphoni tones)		BS Fire tone	18	92	88
30	35	00010	Alternating	510 & 610	2Hz (250ms-250ms) (Squashni Micro tones)		BS Fire tone	13	90	86
31	31	00001	Sweep	300 to 1200	1Hz			20	91	*
32	32	00000	Continuous	4000	Steady			35	98	*

Note (a): Tones approved under the Construction Products Directive for Fire Alarm Applications, are shown in the column marked EN54-3.
Note (b): EN54-3 measurements shown reflect minimum expected SPL readings at Maximum Volume at the Loudest Point around the EN54-3 defined sounder axis.
Note (c): All other tone measurements reflect manufacturers data based on 'on axis' measurements, and are not verified by a Notified body.
Note (d): Detailed EN54-3 polar SPL measurements are available Product Manual M96-022.
Note (e): All measurements taken at 20°C operating temperature.

INSTALLATION INSTRUCTIONS FOR WALL MOUNT SOUNDERS TYPE DBS-X-4

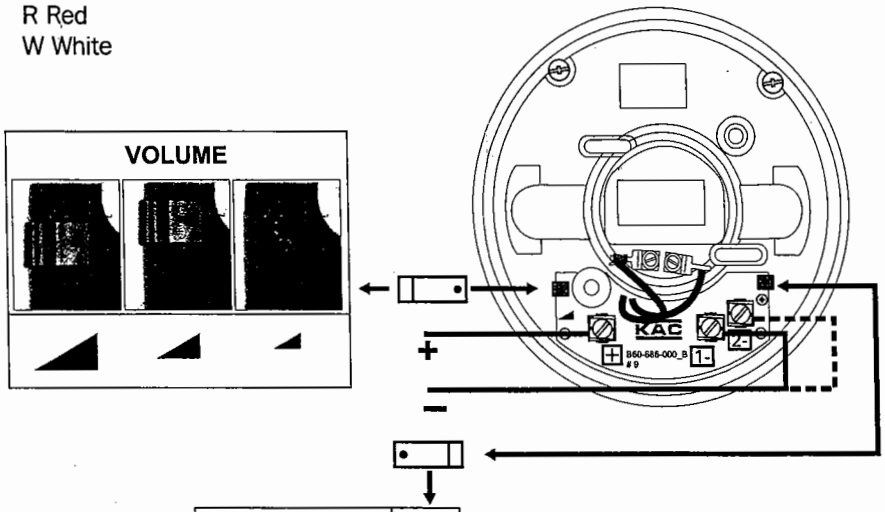


DBS-X-4

'X' represents the colour of the Lid if supplied.

R Red

W White



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.93dB(A) @ 1mtr
Current	12mA @ 24VDC (800Hz continuous, High Volume)
Max wire size	2.5mm^2
Temperature Range	-30 to +70° C(subject to confirmation)

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

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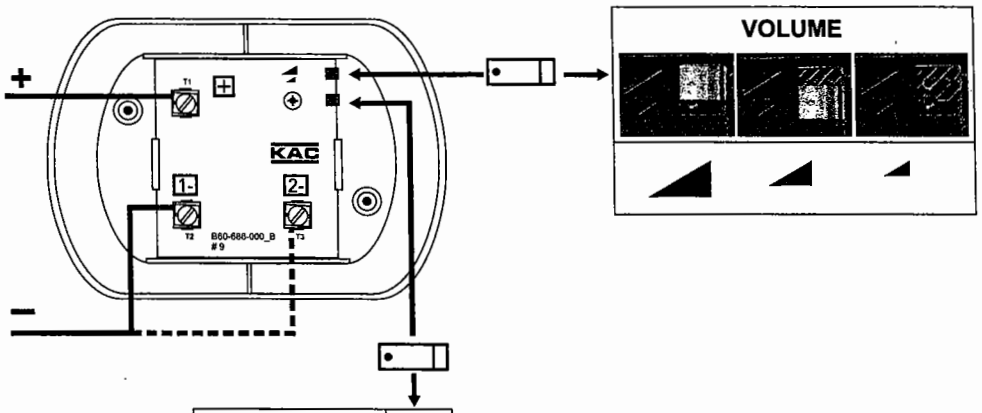
INSTALLATION INSTRUCTIONS FOR WALL MOUNT SOUNDERS TYPE SOU-XXX-4

SOU-XXX-4
'XXX' represents the code for the mounting box supplied.

LPR low profile Red
SR Standard profile Red
SSR Standard profile Red + sealing kit
LPW low profile White
SW Standard profile White
SSW Standard profile White + sealing kit



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 overleaf). Document ref: D 616.
Current	12mA @ 24VDC (800Hz continuous, High Volume)
Max wire size	2.5mm^2
Temperature Range	-30 to +70° C(s ubject to confirmation)
IP Rating	Meets the requirements of EN54-3, Type A IP21C

KAC Alarm Company Limited, Unit 15-19 Trescott Road, Redditch, B98 7AH, England.
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