

### MODELS

WRA-xC-I05 = Sounder Strobe Isolation Red Flash  
WWA-xC-I05 = Sounder Strobe Isolation White Flash

Adjustable performance  
Wall Mounted Sounder Strobe

x = Denotes body colour (P - Pure White, R - Red)



### GENERAL

**(ENG)** The range is used in analogue addressable fire alarm systems. These devices must only be connected to control panels that use a compatible proprietary analogue addressable communication protocol. These devices receive their power from the loop, and can be controlled via the communication protocol(s).

*Note: if the control equipment is not capable of taking over 99 module addresses, a fault condition will be generated for every address over 99.*

For isolator specification refer to document S00-7400 available on request.

**(FRE)** La plage est utilisée dans les systèmes analogiques d'alarme incendie adressables. Ces dispositifs ne doivent être connectés qu'à des panneaux de commande qui utilisent un protocole de communication adressable analogue exclusif compatible.

Ces appareils sont alimentés par la boucle et peuvent être contrôlés au moyens du / des protocole(s) de communication.

Remarque : si l'équipement de commande n'est pas capable d'accepter plus de 99 adresses de modules, une situation de défaut sera générée pour chaque adresse au-dessus de 99. Pour les spécifications de l'isolateur, reportez-vous au document S00-7400 disponible sur demande.

**(GER)** Diese Produktgruppe wird in analogen adressierbaren Feueralarmsystemen verwendet.

Diese Geräte dürfen nur mit Steuertafeln verbunden werden, die ein kompatibles proprietäres analoges adressierbares Kommunikationsprotokoll verwenden.

Die Geräte beziehen ihre Energie aus der Schleife. Sie können über das Kommunikationsprotokoll kontrolliert werden.

Hinweis: Ist das Steuergerät nicht in der Lage, mehr als 99 Moduladressen zu verarbeiten, wird bei jeder Adresse, die diese 99 überschreitet, ein Fehlerzustand erstellt.

Für Isolatorspezifikationen siehe Dokument S00-7400, das auf Anfrage erhältlich ist.

**(ITA)** La gamma è utilizzata in sistemi antincendio analogici e indirizzabili. Questi dispositivi devono essere collegati unicamente a pannelli di controllo compatibili.

Questi dispositivi ricevono la loro alimentazione dal loop e possono essere controllati tramite il/i protocollo/i di comunicazione.

Nota: se l'apparecchiatura di controllo non riesce a gestire oltre 99 indirizzi del modulo, si genererà una condizione di guasto per ogni indirizzo successivo al 99.

Per le specifiche dell'isolatore fare riferimento al documento S00-7400 disponibile su richiesta.

**(SPA)** El alcance se utiliza en sistemas direccionables analógicos de alarma de incendios.

Estos dispositivos solo deben conectarse a paneles de control que utilicen un protocolo de comunicación direccionable analógico compatible y propio.

Estos dispositivos reciben su energía del lazo y pueden controlarse a través de los protocolos de comunicación.

Nota: Si el equipo de control no es capaz de tomar más de 99 direcciones de módulo, se generará un fallo por cada dirección que supere a la dirección 99.

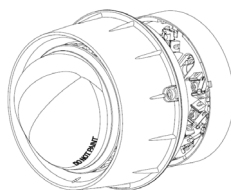
Para conocer las especificaciones del aislante, consulte el documento S00-7400, disponible previa solicitud.



### INSTALLATION / PRODUCT ORIENTATION

Affix B501AP to a suitably flat wall. Terminate the cable to the appropriate terminals. For surface mount wiring the cable can enter the B501AP via the break outs provided. Select the appropriate Light Coverage, Tone and Volume settings via the DIP switch.

**Make sure the product is fitted in the correct orientation!**

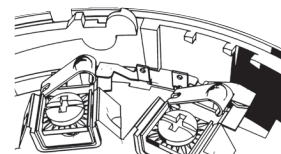


Scan the barcode below to see the correct fitting to the wall:

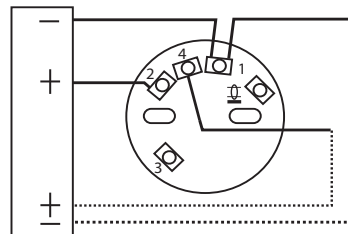


### CONTINUITY SPRING

The B501AP incorporates a continuity spring between terminals 2 and 4. This allows the continuity of the field wiring to be checked without the need for the device to be present. Inserting the device will disengage the spring. Removing the device will close the loop.



### TERMINAL CONNECTIONS



### ANTI TAMPER RELEASE

**(ENG) IMPORTANT:** Follow the instruction strictly:

- 1) Insert a flat screwdriver
- 2) Lever the screwdriver down and twist the device anticlockwise.
- 3) Remove the screwdriver to unlock the device.

**(FRE) IMPORTANT:** Suivez strictement les instructions :

- 1) Insérez un tournevis plat
- 2) Faites descendre le tournevis et tournez le dispositif dans le sens inverse des aiguilles d'une montre.
- 3) Retirez le tournevis pour déverrouiller l'appareil.

**(GER) WICHTIG:** Folgen Sie genau den Anweisungen:

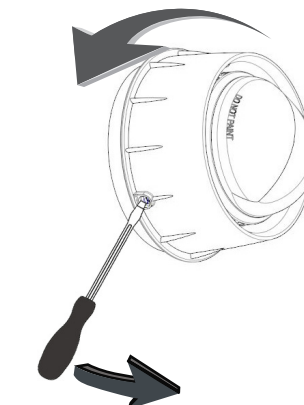
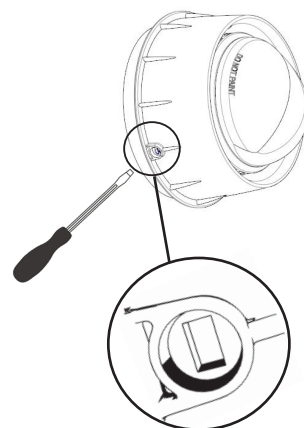
- 1) Führen Sie einen flachen Schraubendreher ein.
- 2) Drücken Sie den Schraubendreher nach unten und drehen Sie den Melder entgegen dem Uhrzeigersinn.
- 3) Entfernen Sie den Schraubendreher um den Melder zu entfernen.

**(ITA) IMPORTANTE:** Seguire interamente le istruzioni:

- 1) Inserire un cacciavite a punta piatta
- 2) Fare leva con il cacciavite verso il basso e ruotare il dispositivo in verso antiorario
- 3) Rimuovere il cacciavite per liberare il dispositivo

**(SPA) IMPORTANTE:** Siga las instrucciones estrictamente:

- 1) Inserte un destornillador plano
- 2) Coloque el destornillador hacia abajo y gire el dispositivo en sentido antihorario.
- 3) Retire el destornillador para desbloquear el dispositivo.



For a full video on how to release the anti-tamper feature please scan the QR code:



<b>V</b> (isolation)	15 to 29VDC (24VDC typical)	(flash rate)	0.5 & 1Hz
<b>I</b> (max) @24V	High Output Standard Output Legacy Output	25.2mA 21.2mA 16.2mA	(standby mode) 130uA
<b>P</b> (max)	High Output Standard Output Legacy Output	605mW 509mW 389mW	°C (operating temperature) -10°C to +55°C
EN54-3 (sound output) (High Volume Tone 8 @24V)	96dB(A) ± 3dB	% (humidity)	up to 96% (± 3%) non condensing
(terminal size)	2.5mm <sup>2</sup> maximum	IP rating	IP 21C



This symbol on our product shows a crossed-out "wheelie-bin" as required by law regarding the Waste of Electrical and Electronic Equipment (WEEE) disposal. This indicates your responsibility to contribute in saving the environment by proper disposal of this Waste i.e. Do not dispose of this product with your other wastes.

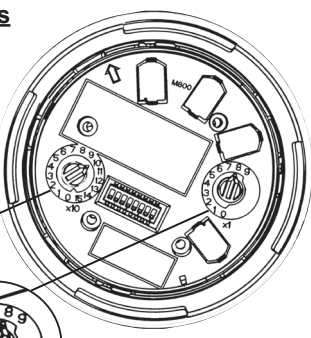
To know the right disposal mechanism please check the applicable law.

**Table 1 (Tone selection)**

DIP setting	No	Pattern	Nominal Frequency	Max consumption (mA, RMS)	Switching Frequency	Description	Market	Standard	2nd Stage Tone	Typical Sound Output (dB)		
Paramètre DIP		Type	Fréquence nominale	Consommation max. (mA, RMS)	Fréquence de commutation	Description	Marché	Standard	Tonalité de 2ème niveau	Sortie sonore type (dB)		
Impostazione DIP		Schema	Nennfrequenz	Maximalverbrauch (mA, RMS)	Frequenzwechsel	Beschreibung	Markt	Standard	Tono di seconda fase	Tipische Tonausgabe (dB)		
Configuración DIP		Patrón	Frecuencia nominal	Consumo medio (mA, RMS)	Frecuencia de conmutación	Descrizione	Mercato	Norma	Tono de segunda fase	Uscita audio típica (dB)		
SW 1,2,3,4,5 0=Off/1=On				Consumo máximo (mA, RMS)		Descripción	Mercado	Norma	Tono de 2ª fase	Salida de sonido típico (dB)		
				Volume - HIGH (24V/15V)	Volume - NORM (24V/15V)					Volume - HIGH	Volume - NORM	
0,0,0,0,0	1	Alternating	525/440	9 / 15.4	4.7 / 8.1	2Hz (100ms/400ms)	French Fire Sound AFNOR	France	NFS 32-001	7	99	98
1,0,0,0,0	2	Alternating	800/922	8.5 / 14.7	4.9 / 8.5	1Hz		UK	BS5839 Pt1	8	98	95
0,1,0,0,0	3	Alternating	800/922	8.4 / 14.7	4.9 / 8.4	2Hz	Alternating tone telecoms	UK	BS5839 Pt1, FP1063.1	8	97	94
1,1,0,0,0	4	Alternating	2400/2900	9.9 / 17.7	5.8 / 10.3	3Hz	Alternating High Frequency			10	99	95
0,0,1,0,0	5	Alternating	2500/3100	10.2 / 18.3	4.3 / 7.5	2Hz	Security Alarm			10	98	90
1,0,1,0,0	6	Alternating	988/645	10 / 17.8	6 / 10.5	2Hz				8	100	97
0,1,1,0,0	7	Continuous	630	8.6 / 15	3.1 / 5.3		All clear	Sweden		1	98	94
1,1,1,0,0	8	Continuous	922	9.1 / 15.3	4.8 / 8.3				BS 5839 Pt 1	2	96	93
0,0,0,1,0	9	Continuous	1200	9.3 / 16.3	4.6 / 7.6					2	92	90
1,0,0,1,0	10	Continuous	2810	9 / 15	5 / 8.9		HF Continuous			4	97	93
0,1,0,1,0	11	Sweep	150-1000	9.7 / 17.2	7 / 12.6	Rising from 150Hz to 1000Hz in 10 seconds, then 40 seconds at 1000Hz, then falling from 1000Hz to 150Hz in 10 seconds, then 20 seconds at 150Hz, then repeating. Total period 80 seconds.	"Gasalarm" Tone			22	100	98
1,1,0,1,0	12	Intermittent	420	8.8 / 15.4	5.1 / 8.6	0.625s on, 0.625 sec off	AS2220 alert tone	NZ, Aus	AS2220	13	100	98
0,0,1,1,0	13	Sweep	500-1200	9 / 15.7	4.9 / 8.6	0.25 sec off, 3.75 sec on	AS2220 evacuate tone	NZ, Aus	AS2220	12	101	99
1,0,1,1,0	14	Intermittent	630	8.4 / 14.7	3.1 / 5.3	3.33Hz 150ms on, 150ms off	Swedish alarm tone	Sweden		7	97	93
0,1,1,1,0	15	Intermittent	922	8.9 / 15.4	4.8 / 8.5	0.8Hz 0.25s on, 1s off	Intermittent Tone	UK	BS 5839 Pt 1	8	95	91
1,1,1,1,0	16	Intermittent	922	8.9 / 15.5	4.8 / 8.5	0.5Hz 1s on, 1s off	Back up alarm LF & BS5839 Pt 1	UK	BS5839 Pt 1	8	96	90
0,0,0,0,1	17	Intermittent	2810	9.2 / 16.3	5.2 / 9.3	1Hz	Back up alarm HF & BS5839 Pt 1 2nd tone	UK	BS5839 Pt 1	10	98	95
1,0,0,0,1	18	Intermittent	922	8.9 / 15.3	4.8 / 8.5	1Hz 500ms on, 500ms off	LF BS5839 Pt 1	UK	BS5839 Pt 1	8	95	92
0,1,0,0,1	19	Intermittent	950	10 / 17.8	5.5 / 9.8	0.22Hz (0.5s on, 0.5s off) rptx3, 1.5s off		Australia	ISO8201	12	99	96
1,1,0,0,1	20	Continuous	800	7.9 / 13.8	3.1 / 5.3				BS 5839 Pt 1	22	98	94
0,0,1,0,1	21	Sweep	400-1200	8.8 / 15.8	4.7 / 8.2	(0.5s on, 0.5s off)*3, 1.5s off	Temporal 3 Evacuation tone	Australia	ISO8201 Temporal 3	12	99	96
1,0,1,0,1	22	Sweep	1200 - 500	8.5 / 14.8	4.7 / 8.1	0.99Hz 1s on, 0.01s off	Evacuate, DIN tone & PFEER	Germany	DIN, PFEER	20	100	98
0,1,1,0,1	23	Sweep	2400 - 2850	7.4 / 13.1	3.5 / 6	7Hz	Fast sweep VdS	Germany	VdS	10	96	90
1,1,1,0,1	24	Sweep	500 - 1200	8.8 / 17.1	4.9 / 9.6	(0.5s off, 3.5s on)	Slow whoop evacuate Netherlands	Netherlands	NEN 2575	8	98	96
0,0,0,1,1	25	Sweep	800 - 970	8.1 / 14.1	5.3 / 9.6	50Hz	LF Buzz BS5839 Pt 1	UK	BS5839 Pt 1	8	100	98
1,0,0,1,1	26	Sweep	800 - 970	7.6 / 13.2	3.3 / 5.6	7Hz	Fast sweep LF BS5839 Pt 1	UK	BS5839 Pt 1	8	100	95
0,1,0,1,1	27	Sweep	800 - 970	8.3 / 14.2	3.5 / 6	1Hz	Medium sweep LF, BS5839 Pt 1, VdS	UK, Germany	BS5839 Pt 1 VdS	8	101	97
1,1,0,1,1	28	Sweep	2400 - 2850	6.5 / 11.5	3.3 / 5.7	50Hz	High frequency buzz			10	96	90
0,0,1,1,1	29	Sweep	500 - 1000	8.9 / 15.6	3.6 / 5.8	7Hz	Fast whoop			8	100	96
1,0,1,1,1	30	Sweep	500 - 1200 - 500	9.5 / 16.5	4.7 / 8.4	0.166Hz rise 1s, stable 4s, fall 1s	Siren style tone			8	99	97
0,1,1,1,1	31	Sweep	800 - 1000	10 / 17.6	5.8 / 10.3	2Hz				8	101	99
1,1,1,1,1	32	Sweep	2400 - 2850	8.6 / 15.8	3.8 / 6.6	1Hz				10	97	91

**Address settings**

Switch 1  
Contact 1  
Schalter 1  
Interruttore 1  
Interruptor 1

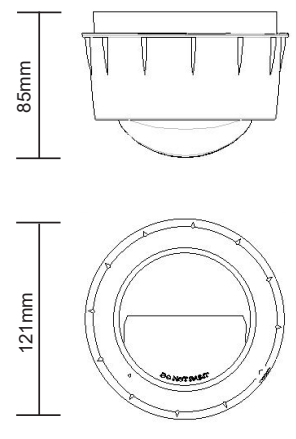


Switch 2  
Contact 2  
Schalter 2  
Interruttore 2  
Interruptor 2

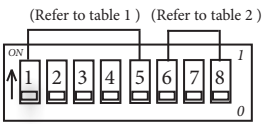
S1 S2  
Address 108 = 10 8  
Adresse 108 = 10 8  
Adresse 108 = 10 8  
Indirizzo 108 = 10 8  
Dirección 108 = 10 8

**(ENG)**To set one of the 159 available addresses for the device use the two rotay switches located either side of the dip switch unit. The `tens` digits goes from 0 to 15 and the `units` from 0 to 9. \*100 - 159 Only available with advanced protocol.  
**(FRE)**Pour régler l'une des 159 adresses disponibles pour le dispositif, utilisez les deux commutateurs rotatifs situés sur l'un des côtés de l'unité de commutateurs DIP. Les chiffres des dizaines vont de 0 à 15 et ceux des unités de 0 à 9. \*100 à 159 Uniquement disponible avec le protocole avancé.  
**(GER)**Verwenden Sie die beiden Drehschalter zu beiden Seiten der DIP-Schalereinheit, um eine der 159 verfügbaren Adressen für das Gerät einzustellen. Die „Zehner“-Ziffern reichen von 0 bis 15 und die „Einer“ von 0 bis 9. \*100-159 stehen nur mit erweiterter Protokoll zur Verfügung.  
**(ITA)**Per impostare uno dei 159 indirizzi disponibili per il dispositivo utilizzare i due selettori rotanti posizionati su entrambi i lati dell'unità DIP switch. Le cifre delle decine vanno da 0 a 15 e quelle delle unità da 0 a 9. \*100 - 159 Disponibili solo con il protocollo avanzato.  
**(SPA)**Para definir una de las 159 direcciones disponibles en el dispositivo, utilice los dos selectores giratorios situados a ambos lados del cuadro de conmutadores de selección. Los dígitos decimales van del 0 al 15 y las unidades del 0 al 9. \* 100-159 Solo disponible con el protocolo avanzado.

**Dimensions**



**Volume, coverage and frequency settings**



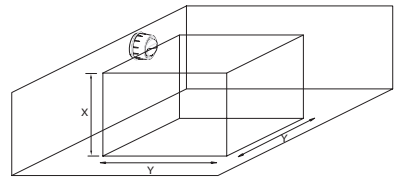
DIP setting 0=Off/1=On. Paramètre DIP 0=Désactivé/1=Activé  
 DIP-Schalereinrichtung 0=Aus/1=Ein.  
 Impostazione DIP 0=Off/1=On  
 Configuración DIP 0=Desactivado/1=Activado

**Table 2**

	ON	OFF
SW6	LOW VOLUME	HIGH VOLUME
SW7	0.5Hz Red (W-2.4-10.5/W-3.6-10.5) White (W-2.4-9/W-3.8-9)	0.5Hz Red (W-2.4-11.5/W-4.2-11.5) White (W-2.4-11.5/W-4-11.5)
SW8	1Hz (O-2.4-3)	0.5Hz (EN54-23 W Class)

**Coverage data**

EN 54-23	Led	V	X (Max)	Y (Max)	V (m <sup>3</sup> )
W-4.2-11.5	RED	15-29V	4.2m	11.5m	555
W-2.4-11.5			2.4m	11.5m	317
W-3.6-10.5	RED	15-29V	3.6m	10.5m	397
W-2.4-10.5			2.4m	10.5m	265
O-2.4-3	RED	15-29V	2.4	3m	21.6
W-4-11.5	WHITE	15-29V	4m	11.5m	529
W-2.4-11.5			2.4m	11.5m	317
W-3.8-9	WHITE	15-29V	3.8m	9m	308
W-2.4-9			2.4m	9m	194
O-2.4-3	WHITE	15-29V	2.4	3m	21.6



For the 'O' class detailed coverage data, in accordance with EN54-23, please request the following doc.: S00-7006



Morley IAS by Honeywell,  
 Pittway Tecnologica Srl, Via Caboto 19/3, 34147 Trieste, Italy

**DOP050**

EN 54-3:2001 +A1: 2002 + A2:2006  
 Fire detection and fire alarm systems - Sounders

EN54-23:2010  
 Fire detection and fire alarm systems - Visual Alarm Devices

EN 54-17:2005  
 Fire detection and fire alarm systems - Short-circuit isolators.  
 W\*A-\*C-I05

For LPCB: approved to EN 54-3: 2014 + A1: 2019.  
 Sounder Output data, in accordance with EN54-3, is available on Document Ref: S00-7005