inim ESB 1011 Addressable Sounder Base Low Power Range Instruction Manual

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Product Description

The ESB1011 sounder connects to the loop and acquires its own address during the configuration phase The sounder is powered by the loop. The device is equipped with a short-circuit isolator capable of sectioning the loop in the event of a short circuit The tone played in the event of activation and the relative sound power must be selected by means of the inner DIP switches or at the control panel during the programming phase, in such a way as lo obtain different signals for different situations. For the list of tones, refer to the labels in the appendix.

Technical specifications

Input voltage	
range	from 20 to 30 V ⎓
nominal	24 ⎓
Consumption	
at rest	500µA
maximum	in alarm (see *Tones* table)
External power supply voltage	
range	from 20 to 30 V ⎓
nominal	24 ⎓
Environmental operating conditions	
Temperature	from -10 to +55 °C
Relative humidity	≤ 75 % without condensation
Environmental type	A (indoor use)
Protection class	IP21
Installation method	ceiling mount
Dimensions (HxWxD)	112 x 112.5 x 53,3 mm
Weight	200 g
Isolator info	
V_{max}	30 V ⎓
V_{min}	13 V ⎓
$I_{C\ max}$	0.5 A
$I_{S\ max}$	0.5 A
$I_{L\ max}$	10 mA
$Z_{C\ max}$	0.25 Ω

Description of the parts

A	Fixing bracket
B	Sounder
C	LED
D	Base for detectors
E	Detector label support fixture
F	Cable hole
G	Pre-cut mounting holes
H	Bracket clips
I	Terminal block
J	DIP switches

Terminal board

+	Positive terminal	Loop
-	Negative terminal	
+ EXT	Positive terminal	External power supply (optional)

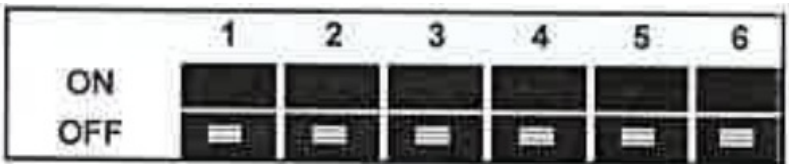
LED signais

Green LED	Loop activity
Yellow LED	General fault

DIP switches

Switches	ON	OFF
1	Tones selection (see table *Tones*)	
2		
3		
4		
5	Flasher power	
	high	low
6	Audio power	
	high	low

Following default DIP switches positions:



By this setting, he sounder uses control panel programming.

CE mark

CE 0051			
INIM Eled ronl css.r.l. Via Del Lavoretor110 – Fraz. Centobud,I 63076 Monteprandone (AP)- Italy 20 0051-CPR-2036			
EN 54-3:2001 + A1:2002 + A2:2006 EN 54-17:2005 **ESB1011** Addressable sounder base forflre detection and fire alann systemsInstalled In buildings			
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;o,, or.ul ooal roll oblQly			PASS
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4·,3.7 9 yni:lm 1,,1zauon			PASS

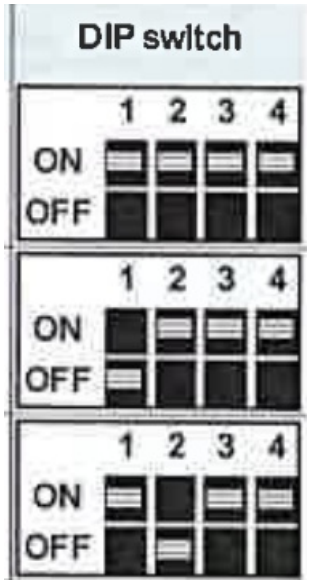
Wamings and limitatlons

- This device complíes with "syn canonization requirements according to EN54-3 standards by means of periodic Commands sent from the control panel over the loop
- The certified tones and sequences are highlighted in the "EN54-3 approved column of the table in the appendix Tones

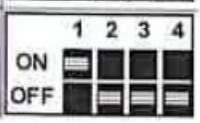
WEEE

Informative notice regarding tho disposal of electrical and electronic equipment (applicable in countries with differentiated waste collection systems)
The crossed-out bin symbol on the equpmentoron’s packaging indicates that the product must be disposed of correctly at the end of working time and should ever be disposed of together with general house hok waste. The user, therefore. must take the equipment that has reached the end of is working life to the appropriate visa amenities site designated to the differentiated Cohocton of electrical and electronic waste. As en alematke to the auto no management of electrical land electronic waste. you can hand over the equipment you want to depose of a deakrhen purchasing now equipment of the same typo You are also entitled to convey for dteposalis malelec Tronic waste products with dimensions of than 2 5cm ta the premises of action icrelaloute to with sakes area of at least 400m2, free of charge and without anyobigaton lo buy. Appropriate differentiated waste collection for the subsequent recycling of discarded equipment is treatment and environmentally complete disposal help sio avoid possible negative effects on the environment and health and favors the re-use and/or recycling of the materials made of.

Tones



N’ I)	**Name** Silence	Sound !ovcl (dB@ 1m) min 0	 max 0	Absorptlon, low volum e (m A) tone 0	Ab sorption , high volume (mA) tone 0	
1	ISO 8201 2800Hz	87.4	95.9	5	5	
‘2	ISO 8201 1000Hz	87.4	95.9	2.6	2.9	
3	1KHz/llOOHz 2Hz	77	87	2.2	2]	
4	NEN 2575:2000 (Dutch slow whoop)	88.5	94.4	2.5	3 .	
5	SIN 1UUUHZ	87.9	95.9	*1.-:-r*	**2.00**	
6	SIN 2800Hz	88	98	5	5	
7	Fast whoop (AS1670)	87.2	93.4	2.5	2,7	
8 1000Hz 1sON/1s0 Ff		77	87	14	**2**	
1l	800Hz 0.2/1s	77	87	1.7	22	
10	800-1KHz 1Hz	87.3	94.2	2.5	2.7	
tt l AFNOR NFS 32 001		76	85	1.4	1	.7
12	AS 1670 Alert	79.9	88.6	1.5	1	.G
13 AS1670 Evacuation		87.1	93.2	2.5	3	
14	DIN 33·41)1	**88.0**	93.5	2.S	3	

N°	Name	Description	EN54-3 approved	DIP switch
3	1KHz/800Hz 2Hz	 (1000Hz + 800Hz) x 0.5sec		
4	NEN 2575:2000 (Dutch slow whoop)	 (500Hz + 1200Hz) x 3.5sec / 0.5sec OFF	✓	
5	SIN 1000Hz	1000Hz	✓	
6	SIN 2800Hz	2800Hz		
7	Fast whoop (AS1670)	 (500Hz + 1200Hz) x 0.5sec / 0.5sec OFF	✓	
8	1000Hz 1sON/1-sOFF	1000Hz, 1sec ON / 1sec OFF		
9	800Hz 0.2/1s	800Hz, 0.2sec ON / 1sec OFF		
10	800-1KHz 1Hz	 (800Hz + 1000Hz) x 1sec	✓	
11	AFNOR NF S 32 001	 550Hz, 0.1sec / 440Hz, 0.4sec		
12	AS 1670 Alert	420Hz, 0.625sec ON / 0.625sec OFF	✓	
13	AS1670 Evacuation	 ((500Hz + 1200Hz) x 0.5sec / 0.5sec OFF) x3 / 1.5sec OFF	✓	
14	DIN 33 404	 (1200Hz + 500Hz) x 1sec	✓	

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Manufacturer’s details
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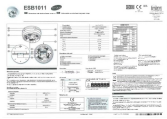
The persons authorized by the manufacturer repalr or replace the parts of this system, hod author lion to work on Inim Eledronics brand devices only

About this manual
Manual code: DCMIIN1 PESB1011
Revision: 100

Documents / Resources

	inim ESB 1011 Addressable Sounder Base Low Power Range [pdf] Instruction Manual ESB 1011 Addressable Sounder Base Low Power Range, ESB 1011, Addressable Sounder Base Low Power Range, Sounder Base Low Power Range, Base Low Power Range, Power Range, Range