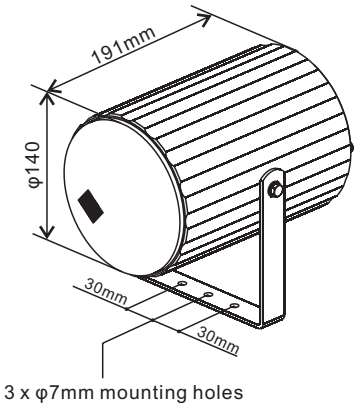
PENTON®

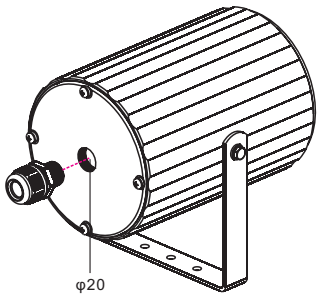
CELL10T/EN
CELL10T/ENC SPECIFICATIONS

RoHS CE 13 0359

Service : Germany: 49-6027-979875 ; France: 33-4-76992630 ; Switzerland: 41-21-8812510
Phone : USA: 1-401-7271600 ; The Rest of Europe: 31-10-2088690(Netherlands)

"Voice alarm loudspeaker for fire detection and fire alarm system for building"





EN54-24:2008
0359-CPD-0144
TYPE B

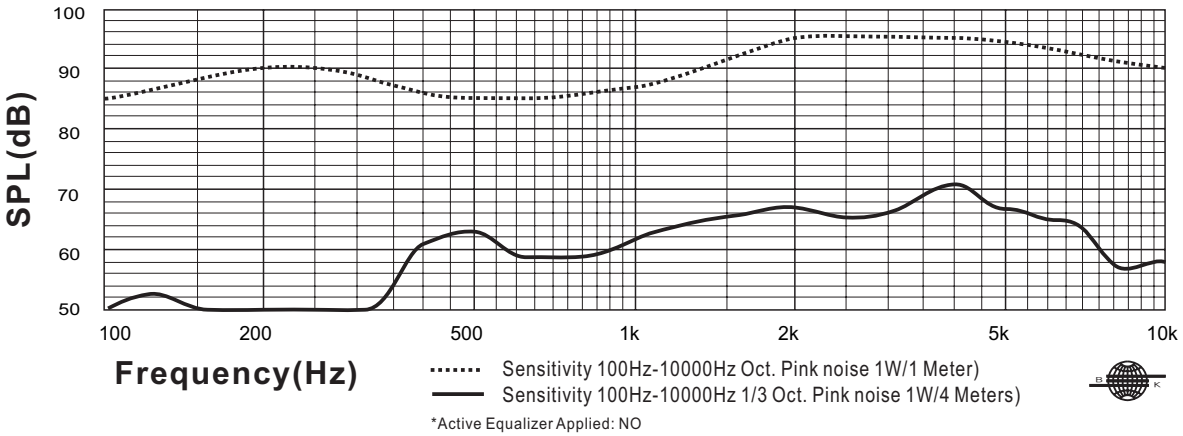
With Transformer:

100V/70V line

	White wire plus tapping				Black
100V	1.25W	2.5W	5W	10W	COM
70V	0.625W	1.25W	2.5W	5W	COM
IMP.(Ω)	8K	4K	2K	1K	

Technical Specifications

1.Frequency response



*Active Equalizer Applied: NO

2.Horizontal coverage angles & Vertical angles

		Horizontal	Vertical
1 Oct.Pink noise	500 Hz	360°	360°
1 Oct.Pink noise	1K Hz	203°	199°
1 Oct.Pink noise	2K Hz	116°	118°
1 Oct.Pink noise	4K Hz	58°	58°

3.Environmental

IP-rating.....33
Max/Min amb temp.....70°C/-25°C
Relative humidity.....≤95%

4.Electrical

Rated power, Watts	10
Tappings 100 volt line, Watts	10/5/2.5/1.25
Transformer Impedance , Ohms 100V	1k/2k/4k/8K
Tappings 70.7 volt line, Watts	5/2.5/1.25/0.625
Driver impedance, Ohms	8
Effective Frequency Range, Hz (BSEN60268-5)	120-18,000
S.P.L. @ 4m, 1watt, dB,1/3 Octave, 1KHz	62
S.P.L. @ 1m, 1watt, dB, Octave 1KHz	91
S.P.L. @ 4m, Full power, dB, 1/3 Octave 1KHz	74
S.P.L. @ 1m, Full power, Octave 1KHz	101

5.Mechanical

Dimensions, Front & Depth, mm	φ140x191
Net weight, Kgs	1.9
Colour (Unless specified)	RAL9016
Material	Aluminium with Stainless Steel hardware
	Aluminium mesh
Mounting	Aluminium U bracket

CELL10T/EN & CELL10T/ENC has been tested in 100 hours max power (10W). The model does not deviate more than ± 3dB from the original test value. The freq. response curve and impedance complies with the original one. All SPL tests are preformed in a anechoic chamber (<70m/3).

Penton Communications Inc, Taichung, Taiwan.

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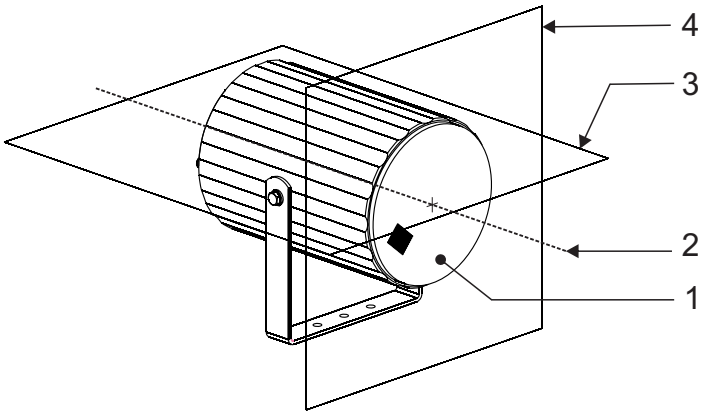
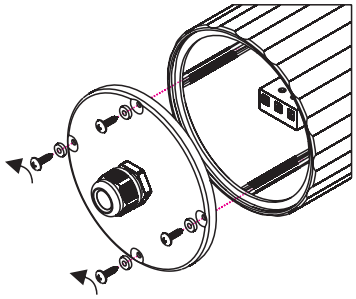
CELL10T/ENC INSTALLATION GUIDE



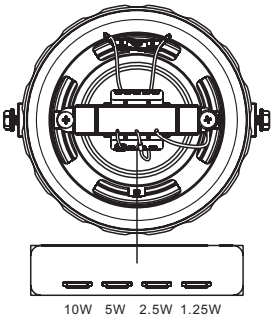
1. loudspeaker enclosure
2. reference axis
3. horizontal plane
4. reference plane

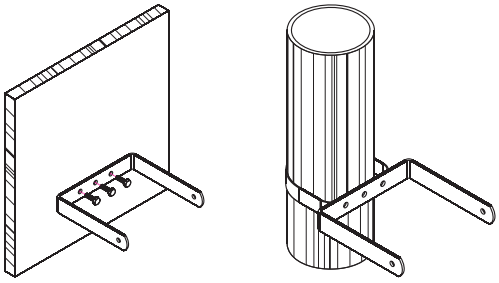


1)Remove back lid of the unit (cable gland end) and connect input cable to the ceramic terminal block through the cable gland provided.

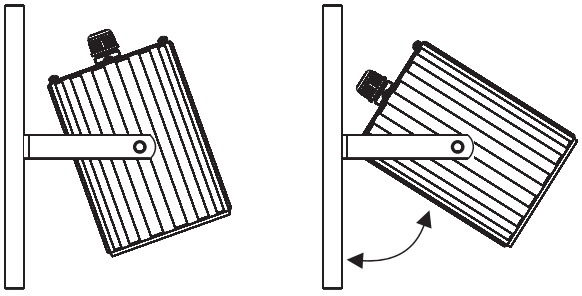
2-1)Select the desired wattage, and ensure that the input cable is connected to the selected terminal the loudspeaker chamber and to no other connection, as the unused transformer tappings must always be isolated from one another.

2-2)Secure the cable gland tight, ensuring that all the rubber washers are in place for the fixing screws. You will observe that the back lid with a large EVA sticker, please make sure that this is in-placing when replacing the back lid.

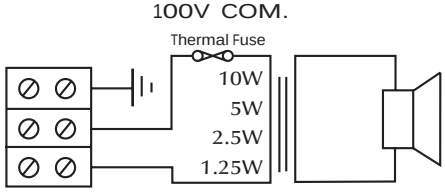




3)Drill the mounting location holes for the unit in line with the"U" bracket (2 holes 30 millimetres apart) in the surface where the loudspeaker is to be located.

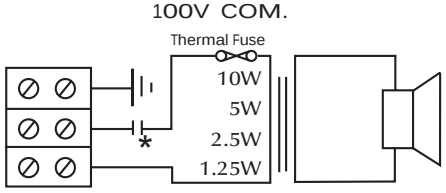


4)Locking / Loosen the screw on both sides of bracket. Before putting 100 volt line through the units it is advisable to check the impedance of the circuit.



Circuit Diagram

CELL10T/EN



Circuit Diagram

CELL10T/ENC
*** with capacitor**