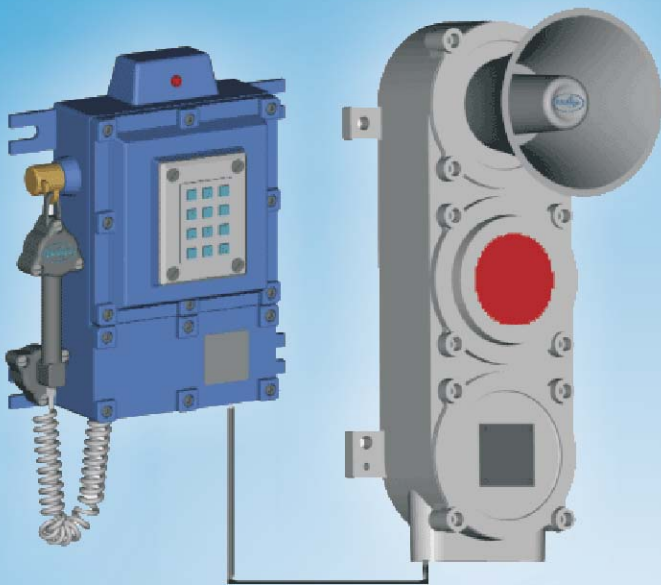


PCS 3 / 6

FLAMEPROOF PLANT COMMUNICATION SYSTEM



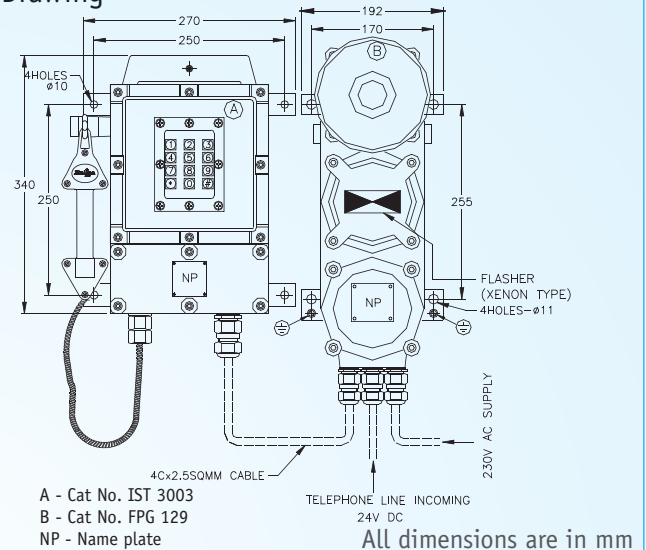
Technical Data

Classification	: Exd II B T6 IP - 65
Materials	: Cast Aluminium LM - 6
Handset	: FRP / Metallic
Weight	: 18.0 Kg (Approx.)
IP Protection	: IP-65 as per IS:2148:2004 (IEC 60079-1/2001) & IS 5780
Finish	: Anti -Corrosive Epoxy Powder coated.
Cable Entry	: 4 X 3/4" ET with 4 glands and two of them looped.
Gasket	: Neoprene
Hardware	: Stainless Steel (SS-304)
Sound Output (Ringer)	: 106 db
Maximum Current	: 500 mA
Flasher	: Filament Lamp / LED / Xenon
Keypad	: Metallic (Lighted)
Mounting	: Wall Mounting
Protection	: Sheet Steel / FRP Canopy (Optional)
Interconnection	: Wired with single compression cable Glands.

Description

The Flame Proof plant communication system shall be designed suitably to fulfill the communication requirements of the plant and it shall be compatible with any type of existing EPABX exchange. The system shall be used for internal communication between the operating personal.

GA Drawing

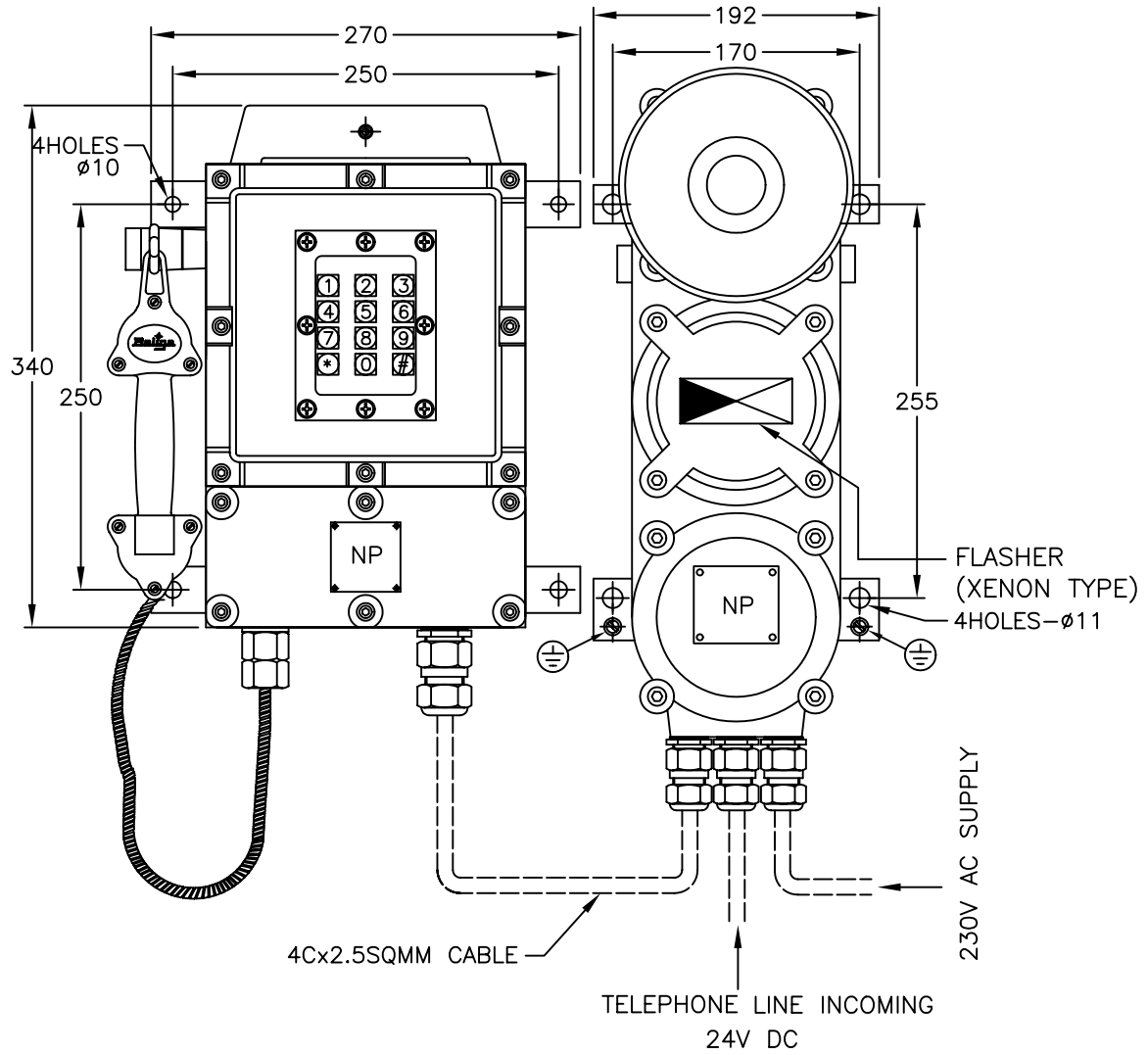


Type of protection	Flame Proof - Exd
Area Classification	Zone 1 & 2
Gas Groups	Group I, II A, II B
Apparatus Standard	IS:2148:2004(IEC 60079-1/2001)
CIMFR Certificate No.	CIMFR/TC/SR/H1169 & H355
Approvals	CCE, BIS

Salient Features


The paging station shall act as an extension of an EPABX exchange. The following sequence of events shall occur during any call.

- A** The paging station gets activated & the ringing tone is heard on the speaker. Simultaneously, the flasher provided in the paging station flashes and gets Latched when the call is established.
- B** When the handset is lifted while ringing, the speaker gets disconnected and the communication takes place through the handset.
- C** If the handset is not lifted for the set number of sequences, the ringing tone heard on the speaker stops and the caller announcement is heard on the speaker.
- D** Once the call is completed the visual indication is turned OFF, the paging station gets deactivated and the system is ready for further communication.
- E** For High Ambient noise level atmosphere high fidelity headset and volume control will be added for PCS 6, this only differentiates PCS 6 from PCS 3. All other things are same for both.



* AFTER THE PHONE RINGS FOR 3 TO 5 TIMES (INTERNALLY SETTABLE) IF THE RECEIVER IS NOT LIFTED, THEN THE CALLER'S VOICE WILL BE AUTOMATICALLY BE TRANSFERRED TO THE PAGING SYSTEM.

ALL DIMENSIONS ARE IN MM.

CABLE ENTRY: 4Nos. 0.75"ET NOTES : STAINLESS STEEL ELECTRONIC PUSHBUTTON DIALER WITH INBUILT ILLUMINATION AND INDUSTRIAL HANDSET NP - NAME & WARNING PLATE(SS) EARTHING - 2Nos. EXTERNAL & 1No. INTERNAL HARDWARES -SS304	CUSTOMER :	TITLE : FLAMEPROOF/INTRINSICALLY SAFE PLANT COMMUNICATION SYSTEM (PCS3)			
	CONSULTANT :	CAT No. : PCS 3			
	PROJECT :	CLASSIFICATION : Exdia IIB IP65 ZONE 1&2			
	P.O No.:	WT:12KGS (APPROX.)	MATL :AL. LM-6	ITEM No:	QTY:
FINISH : REFER CHART	TOLERANCE : ±5mm		FOR APPROVAL		
CMRI : REFER CHART	IS : 13947/93	SCALE			N.T.S
CCE : REFER CHART	IS : 2148/81	REV-1			NAME DATE
	IS : 5780/80	REV-2	SHEET 1 OF 1		
 Baliga Lighting Equipments Private Limited, KOVILAMBAKKAM, CHENNAI-600 117, INDIA.	DRN.	SS	DRG. No.	REV	
	CHKD.			0	
	APPD.				