

SMART FLAME PROOF TELEPHONE

SMART FLAME PROOF TELEPHONE is a practical communication solution for people in different locations who need to stay in contact. These units are fully line powered and do not require an internal battery or external power source. They are designed for use in highly explosive (for area Zone 1 & Zone 2 & Gas Group: IIA & IIB), dusty, noisy & humid areas in industrial locations of explosive

SMART FLAME PROOF TELEPHONE provides dependable, high quality communications where standard telephones are not suitable. They are equipped with push button type hook switch with sealed keypad to keep out dust, dirt, flame and moisture. The sealed flame proof electronic ringer also prevents flame, dust & water from entering the unit.



They are constructed & designed as per IS 2148-2004 (IEC 60079-1/2001 & IS:13346-2004 (IEC 60079-0/2000) of a high-impact, LM6 enclosure with industrial strength one-meter handset cord. The stainless steel handset cord remains flexible in the most extreme temperatures, unlike PVC cords that are limited to minimum pull strength and begin to deteriorate fast. It is essential for growing organisations because of its unique features and is proposed to be used in conjunction with **SMART MASTER CONTROL STATION (MCS-III) OR WITH PLANT EPABX** (The backbone of every establishment's communication.)

OPERATIONS:

TO MAKE A CALL: -

- Lift the handset, hear the dial tone.
- Dial desired extension number & communicate.
- Replace handset to disconnect the active call.

INCOMING CALL: -

- From any phone dial the extension number of SMART FLAME PROOF TELEPHONE.
- An electronic ringer will Ring up giving a ringer tone.
- Communication will be established when called party lifts the receiver.
- Replacing the receiver on cradle will reset the PHONE.

VERSATILE APPLICATIONS

* Cement Plants. * Mines. * Petrochemical Refineries. * Chemical Plants. * Construction Sites.
* Steel Plants. * Spinning Yarns * Fertilizer Plants. * Sugar Mills. * Power Generation Facilities *
Pulp & Paper Mills * Food Processing Plant * Warehouses * Recreation Facilities * Hydroelectric
Facilities * Drilling Rigs * Ammonia Storage Area * Process industries * ANY LARGE AND MEDIUM
SCALE INDUSTRIAL UNITS.

ACCESSORIES AND OPTIONS

- External FLAME PROOF Loudringer unit.

SMART CHOICE: -

- Simple Installation
- Simple Operation
- FLAMEPROOF CONSTRUCTION as per IS 2148-2004 (IEC 60079-1/2001)
- General design , rating, performance & T-class IS:13346-2004 (IEC 60079-0/2000)
- WEATHERPROOF CONSTRUCTION IP55 as per IS 12063-1987/IEC 60529/1989
- Area Classification : Zone 1 & Zone 2
- Gas Group : IIA & IIB
- Type of Ex protection: Ex 'd'
- Temperature range from 0 to +60 o C.
- Certified by CIMFR DHANBAD, INDIA
- Aluminum die casting body LM-6 with 6 mm wall thickness & powder coated construction.
- Heavy industrial ABS handset & SS cord.
- External contact provided to CONNECT FLAME PROOF EXTERNAL LOUD RINGER.

SPECIFICATIONS: -

Electrical requirements

| | |
|---------------------------|-------------------------------------|
| Ringer sensitivity | 40 – 100 V @ 16 – 25 Hz. |
| Line voltage | 24 – 56 VDC. |
| Loop current | 20 - 120 mA. |
| Connection method | terminal block type. |
| Key pad | 4 X 3 matrix |
| Ringer | Externally fitted in Ex-d enclosure |
| Flame proof certification | CMRI DHANBAD |
| Area classification | ZONE 1 & 2 |
| Gas group | I, IIA & IIB |
| Make | NEPTUNE |

Environmental

| | |
|-------------------|-----------------------------|
| Temperature range | -5° C to 60° C |
| Humidity | 0 to 95% Rh non-condensing. |
| Enclosure | IP 55 certified . |

Mechanical

| | |
|-------------------|------------------------------|
| Body construction | ALUMINIUM DIE CASTING(LM-6). |
| Standard mounting | Vertical wall. |
| Hardware material | Stainless steel. |

INDUSTRIAL COMMUNICATIONS SIMPLIFIED .

VOIZLINK.

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“(Specifications and description subjected to change without prior notice)”