

Flame Proof IIA / IIB Receiver For Remote Control



Introduction

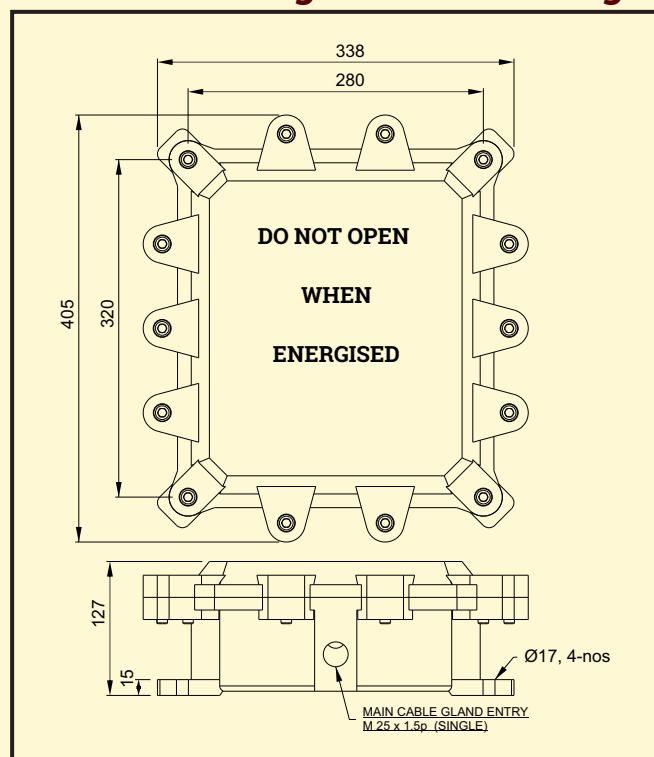
Flame-proof Enclosure of receiver are radio remote control system used for EOT cranes. Designed for operations in hazardous environment where explosive gases / vapors are present. Enclosure is designed to meet the requirements as specified in IS/IEC-60079-0-2017 & IS/IEC-60079-1-2014. The enclosure is certified by Karandikar Laboratories Pvt. Ltd. use in Gas Group IIA & IIB.

The receiver of the system contains 18 potential free contact relays (16 + Start + Alarm) which can be configured as per the requirement. The receiver also contains a feedback module which continuously check the Receiver status via the LED on the receiver.

Receiver

RF Sensitivity	0.6mV
No. of Potential Free Contacts	16 + Start/Stop + Alarm
Relays	Resistive Load : 5A at 230VAC or 30VDC
Power Requirements	110VAC/220VAC
Display	By means of LEDs
Maximum Consumption	100VA
Dimensions	405(H)x345(B)x127(W)mm
Weight	12 Kg

General Arrangement Drawing



Technical Specification

Number of commands	12 + Start/Stop + Alarm
Hamming Distance	>=6
Response Time	<24ms
Active Emergency Response Time	<24ms
Operating Range	100 meters

Technical Data

Explosive Atmospheres Part I Equipment Protection by Flameproof Enclosures "d"	
Product	Receiver for Radio Remote Control
Zone	Zone I, Gas Group IIA & IIB
Model	FLP-PR-IIB
Voltage	220 AC Max
Current	5A Max
Enclosure	Aluminum Alloy LM 4
Ingress Protection	IP-54 as per IS/IEC-60529-2001
Cable Entry	1 x M25x1.5P 1 x M20x1.5P
IS -	IS/IEC-60079-0-2017 IS/IEC-60079-1-2014
BIS License No.	CM/L-72000208195 20-07-21
Certificate No. FLP Enclosure	KLPL/Ex/15-031X Date : 12-01-2021 Karandikar Laboratories Pvt.Ltd.
PESO certificate No.	P406232
Ambient temperature	T6