

SAMRAT - I (INTRINSICALLY SAFE)



Introduction

Radio remote control transmitter hand held upto 8 push buttons. Model **SAMRAT-I** Works on 3 Volts batteries suitable for Intrinsic Safety in accordance to standard IS/IEC 60079-0-2011 & IS/IEC 60079-11-2013 suitable for gas groups IIA & IIB and IIC atmosphere only.



Technical Specification

Actuators in SAMRAT-I Transmitter	8 Single/Double speed push buttons +Start/Alarm+Stop
Operating Range	100 meters
Operating Frequency	433-434 Mhz
Channel Spacing	25 KHz
Modulation	FM (4GFSK/2GFSK)
RF Power Output	10mW
Coding Key	FFSK
Power Consumption	<15mA
Standby Power Consumption	<1 mA
Battery Capacity	2 noc, AA size Alkaline, 3.0V
Operating Temperature	-20° C to + 70° C
Weight	250gms (without battery)
Dimensions (mm)	165 (H) X 75(W) X 50(B)
Ingress Protection	IP 54 IS /IEC 60079:2001
Zone	ZONE 1, Gas Groups IIC
Enclosure	Thermoplast (Glass Filled Nylon)
Standard	IS/IEC 60079-0 :2011 IS/IEC 60079-11 :2013 IS/IES 600529-2014
Certificate No	CIMFR / TC / P/ 264
PESO Certificate No	A/P/HQ/GJ/104/5699 (P455000/2) DATE- 16/04/2019
Name	Central Institute of Mining & Fuel Research, Dhanbad
BIS Licence No	CM/L-72000208195 DATE - 20/07/2021

Features

Communication	Unidirectional & Bidirectional configuration based on requirement
Emergency Stop	2 NC contacts for EMS (EN-954-1 safety Standard)
Range Adjustment	Operating Range Adjustable from 20m, 30m.. Upto 100m standard 100m
Close Start	Only Start functional adjustable from 20m,30m...upto 100m (Standard 100m)
Pairing	Any transmitter to Any receiver pairing facility available
Indications	LED Indication for Battery Low, Transmission and Error status
ID Code	Unique ID Code to avoid interference
Antenna	Internal Antenna on Transmitter
Keyboard Locking	Transmitter Keyboard Locking Provision on request
Relay Assignment	Configurable Relay assignment available
Interlocking	Configurable Relay Interlocks available
Idle Time	Configurable Idle Time out (Standard 60 min)