

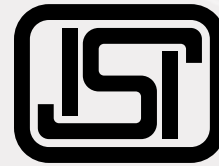
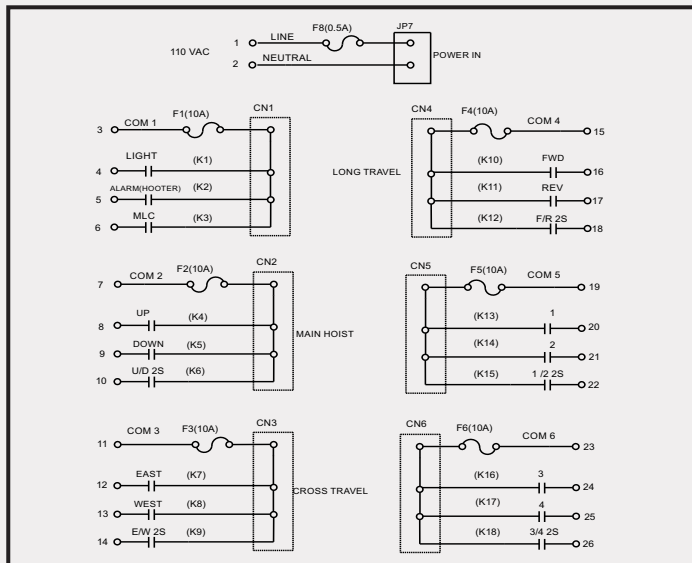
# Transmitter (Intrinsically Safe) For Remote Control



## Introduction

Radio remote control transmitter hand held having 10 push buttons. Model FLP-402 & FLP 502. Works on 3V(2x1.5V). AA Alkaline batteries are suitable for **Intrinsic Safety** in accordance to standard IS/IEC 60079-0-2004 & IS/IEC-60079-11-2006 suitable for gas group I, IIA, IIB and zone 1 atmosphere only.

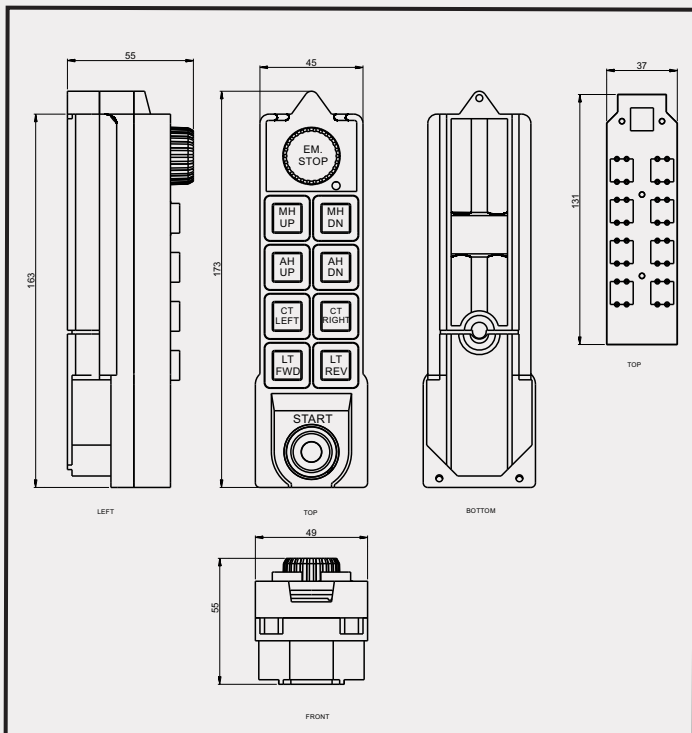
## Wiring Diagram



## Tranmitter

No. of push buttons	10 + Start/Stop + Alarm
Operating Frequency	UHF (310.00 to 336.00 Mhz)
Channel Spacing	25KHz
Modulation	FM
RF Power Output	10mW
Coding Key	FFSK
Transmitting Power consumption	<15mA
Standby Power Consumption	<1mA
Battery Type	2AA Alkaline Batteries
Operating Temp	-20° C to +70° C
Transmitter Weight	275 grams (without battery)
Dimensions	185 (H) x 50 (W) x 50 (B) mm
Protection Rating	IP 65

## General Arrangement Drawing



## Technical Data

Explosive Atmospheres Part I Equipment Protection by intrinsic safety	
Product	Transmitter for Radio Remote Control <b>Intrinsic safety</b>
Zone	Gas Group I,IIA, IIB and zone 1 atmosphere only
Model	FLP-402 & FLP-502
Voltage	3V DC, (2x1.5V AA size) Alkaline battery
Temperature Class	T6 At 40°c ambient.
Ingress Protection	IP-54 as per IS-60079-2001
Enclosure	Thermoplast (Glass Filled Nylon)
Standard	IS/IEC-60079-11-2006 and clause 29 of IS/IEC 60079-0-2004
Certificate No.	CIMFR/TC/P/801 Date: 08-11-2015 Central Institute of Mining & Fuel Research Dhanbad

**Speed-O-Controls Pvt. Ltd.**

H. O. Unit - I : C-15/16, Nand Jyot Industrial Estate, Andheri-Kurla Road, Mumbai - 400072 .

Tel : (022) 42469700-30

Fax : (022) 42469797

E-mail : sales@socgroup.in

Unit - II: Plot No. 4912, G. I. D. C., Phase IV, Vatva, Ahmedabad - 382445

Tel.: (079) 40083201/2/3/4,

Fax : (079) 25841056,

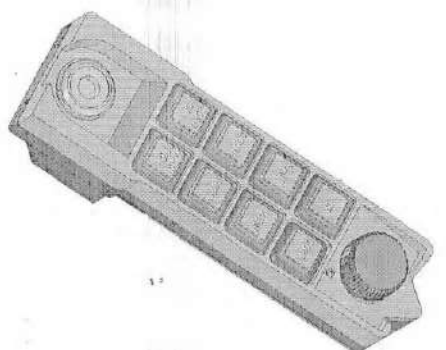
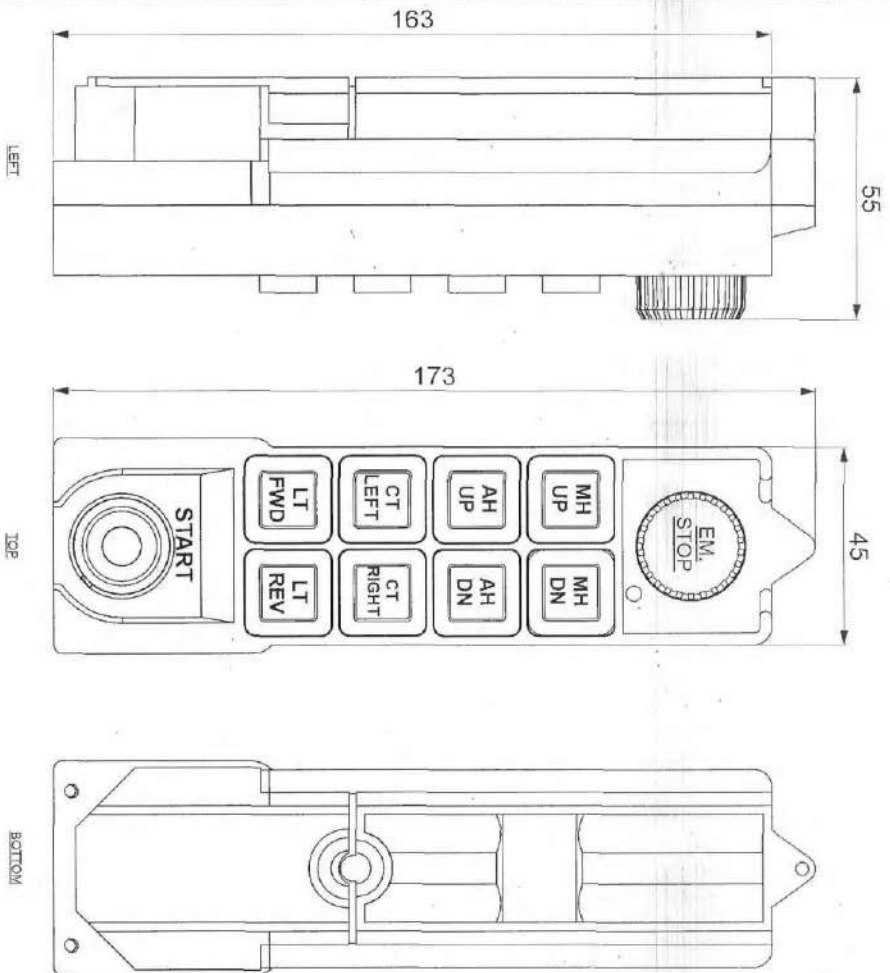
E-mail : sales.amd@socgroup.in

Visit us at :

[www.speedocontrols.com](http://www.speedocontrols.com)

[www.socremote.com](http://www.socremote.com)

Oct, 2017



# **APPARATUS : Intrinsically Safe Radio Remote Control, Type "FLP-402"**

## **DECLARATION OF MANUFACTURER:**

1) This Remote Control confirms all applicable requirements of IS/IEC 60079-0:2004

2) The apparatus is a hand held push button type transmitter. It is to be used for remotely operating and control of E.O.T. crane unit. The transmitter circuit works on 3V DC (2 X 1.5V AA size Alkaline batteries). The batteries are sealed within hard epoxy having COT. -40° C to 120° C. Sealing Thickness is minimum 1mm. all around. It consists of microprocessor based processor card, frequency transmitter card and an internal style antenna. The radio signal from the transmitter to the receiver are transmitted through its antenna upto 100 meter range. The unit is operated through various push buttons provided in it.

CENTRAL INSTITUTE OF LAMING & FUEL RESEARCH  
FLAME & EMISSION ANALYSIS  
CERTIFICATE NO. 19/801  
DATE: 8/12/15  
TESTED BY: [Signature]  
INCHARGE: [Signature]



CUSTOMER:-				TITLE:-	
NAME	DATE	MATERIAL	QTY	TRANSMITTER FOR REMOTE CONTROL SKY402	
DGN. SPS	13/02/2015	MOULDING GFN	1		
CHD.					
APPD. KSD	07/07/2015				
PROJ.:-	SCALE:-	NTS			
Speed-O-Controls Pvt. Ltd.				DRG. NO.	FLP-402-01
MUMBAI - 400 072.				SHEET 1 OF 3	