

# IT - 501 / 502 Radio Remote Control



**Transmitter**



**Receiver**

The receiver of the system contains 18 potential free contact relays (16 + Start + Alarm ) All the relays may be configured as per the specific requirement. The receiver also contains a feedback module which continuously monitors the internal circuitry and enables the user to check the receiver status via LED on the receiver.

Operated with 2 AA size alkaline batteries and modular design of the system makes it easy to maintain. The system also contains a GUI Interface wherein the user can configure relay setting as per application.

## Technical Description

Number of Commands	Up to 16+ Start/Horn + Stop
Hamming Distance	>=6
Responding Time	<24 ms
Active Emergency Responding Time	<24 ms
Operating Range Distance	100m

## Transmitter

Operating Range Frequency	UHF (310.00 to 336.00 MHz) UHF (433.05 to 434.775 MHz) UHF (865.00 to 867.00 MHz)
Channel Spacing	25 KHZ
Modulation	FM
RF Power Output	10mW
Coding Key	FFSK
Transmitting Power Consumption	<15mA
Standby Power Consumption	<1mA
Battery Capacity and Type	2AA size alkaline battery each of 1.6V
Operating Temperature	- 20°C to + 70°C
Transmitter Approx. Weight	200 gm (Without Battery)
Dimension	95mm (H) x 50mm (W) x 50mm (B)
Protecting Rating	IP - 65

## Receiver

RF Sensitivity	0.6mV
Number of Commands	16+ Start+Alarm+Stop
Relays	Resistive Load: 5A at 230 VAC or 30 VDC
Power Requirments	48VAC/110VAC/230VAC
Disply	By Means of LEDs
Maximum Consumption	100VA
Dimensions	270mm(H)x 200mm (B) x 90mm(W)
Weight	Approx x 1.8 kg
Protecting Rating	IP 65