

# Crane Control Equipments

## Model 301

Remote control for cranes



Ideal for EOT cranes, tower cranes and other industrial machinery, the range of radio remote control is designed to enable wide variety of industrial applications. It enables the operator to work in extreme conditions with ease and hence provides greater safety.

The rugged design of transmitter allows the possibility to incorporate 6 single depression push buttons as per requirement. Transmitter status can be monitored via LED available on transmitter. Durable material used provides resistance to harsh industrial environment.



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The Receiver of the system contains 9 potential free contact relays (7 + Start + Alarm) which can be configured as per the 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 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 settings as per application.



## TECHNICAL DESCRIPTION

Number of Commands	Up to 7+ 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	2 AA Size Alkaline Battery each of 1.6V
Operating Temperature	-20 Degree Celsius to +70 Degree Celsius
Transmitter Approx Weight	310 grams (Without Battery)
Dimensions	210mm (H) x 45mm (W) x 70mm (B)
Protection Rating	IP65

### RECEIVER

RF Sensitivity	0.6mV
Number of Commands	7 + Start/Alarm +Stop
Relays	Resistive Load: 5A at 230 VAC or 30 VDC
Power Requirements	48VAC/110VAC/230VAC
Display	By means of LEDs
Maximum Consumption	100VA
Dimensions	230mm(H) x 125mm(B) x 65mm(W)
Weight	Approx 1.1 Kg
Protection Rating	IP 65

### BATTERY CHARGER

Charger power supply	220VAC
Battery Charging time	8 hours
Protection Rating	IP30

TRANSMITTER



RECEIVER

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