



**SNT CONTROLS LTD**  
Radio Remote Control Systems

# IT502 IT402D

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 8 or 10 double or 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.



# IT502 / IT402D

Remote control for cranes

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 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 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)<br>UHF (433.05 to 434.775 MHz)<br>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      | <1 mA   |
| 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      | 250 grams (Without Battery)   |
| Dimensions                     | 165mm (H) x 50mm (W) x 50mm (B)   |
| Protection Rating              | IP65  |

### RECEIVER

|                     |   |
|---------------------|---|
| RF Sensitivity      | 0.6mV                                   |
| Number of Commands  | 16 + 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          | 250mm(H) x 235mm(B) x 100mm(W)          |
| Weight              | Approx 1.8 Kg                           |
| Protection Rating   | IP 65                                   |

### BATTERY CHARGER

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



**SNT CONTROLS LTD**

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