

## SALIENT FEATURES

- ♦ **Pairing**  
Any transmitter & receiver can be paired on-site (for easy spare management)
- ♦ **Adjustable Range**  
Operating Range Adjustment (from 10m to 100m)
- ♦ **Adjustable Start Range**  
Only START functionality can be range adjustable
- ♦ **Password**  
Transmitter password protection
- ♦ **Frequency Change**  
Operating channel can be changed on site
- ♦ **Idle Time**  
Configurable Idle Time out in Transmitter

## ADDITIONAL FEATURES

|                  |                                                               |
|------------------|---------------------------------------------------------------|
| EMERGENCY STOP   | 2 NC contacts for EMS (EN-954-1 Safety Standard)              |
| INDICATION       | LED Indication for Battery LOW, Transmission and Error status |
| ADDRESS CODE     | Unique Address Code to avoid interference                     |
| ANTENNA          | Internal Antenna in transmitter & receiver                    |
| RELAY ASSIGNMENT | Configurable Relay assignment available                       |

## TRANSMITTER

|                           |                               |
|---------------------------|-------------------------------|
| OPERATING FREQUENCY       | 433-434 MHz                   |
| CHANNEL SPACING           | 25 KHz                        |
| MODULATION                | FM (4GFSK/2GFSK)              |
| RF POWER OUTPUT           | 10 mW                         |
| POWER CONSUMPTION         | 18 mA (Unidirectional)        |
| STANDBY POWER CONSUMPTION | 1 mA                          |
| BATTERY CAPACITY AND TYPE | 2 nos, AA size Alkaline, 3.0V |
| OPERATING TEMPERATURE     | -20°C to + 70°C               |
| WEIGHT                    | 300 gms (without battery)     |
| DIMENSIONS (MM)           | 194 (H) X 50 (W) X 59 (B)     |
| OPERATING RANGE           | 100 meters                    |
| PROTECTION RATING         | IP 65 IS/IEC 600529:2001      |

| TRANSMITTER                                                                        | RECEIVER                                                                            |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |
| SKY 501 →                                                                          | 10 Pushbutton<br>Single speed                                                       |

## TECHNICAL SPECIFICATION

|                                        |                         |
|----------------------------------------|-------------------------|
| NUMBER OF COMMANDS IN TRANSMITTER UNIT | 10 + Start/Stop + Alarm |
| CRC                                    | 32 Bit                  |
| RESPONSE TIME                          | <50 ms                  |
| ACTIVE EMERGENCY RESPONSE TIME         | <50 ms                  |
| PASSIVE EMERGENCY RESPONSE TIME        | 1900 ms                 |

## RECEIVER

|                       |                              |
|-----------------------|------------------------------|
| OPERATING FREQUENCY   | 433-434 MHz                  |
| CHANNEL SPACING       | 25 KHz                       |
| RF SENSITIVITY        | -117dBm at 0.6kbaud          |
| NUMBER OF RELAYS      | 10 + 2 (Start/Alarm)         |
| RELAYS                | Resistive load: 5A at 250VAC |
| POWER REQUIREMENTS    | 110 VAC / 230 VAC            |
| FASTENING             | By means of Nuts & Bolts     |
| OPERATING TEMPERATURE | -20°C to + 70°C              |
| WEIGHT                | Approx 1.40 Kg               |
| DIMENSIONS (MM)       | 284 (H) x 220 (B) x 110 (W)  |
| OPERATING RANGE       | 100 meters                   |
| PROTECTION RATING     | IP 65 (NABL lab tested)      |

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| WEIGHT                    | 300 gms (without battery)     |
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| OPERATING RANGE           | 100 meters                    |
| PROTECTION RATING         | IP 65 IS/IEC 600529:2001      |

| TRANSMITTER                                                                        | RECEIVER                                                                            |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |
| SKY 502 →                                                                          | 10 Pushbutton<br>Double speed                                                       |

## TECHNICAL SPECIFICATION

|                                        |                         |
|----------------------------------------|-------------------------|
| NUMBER OF COMMANDS IN TRANSMITTER UNIT | 20 + Start/Stop + Alarm |
| CRC                                    | 32 Bit                  |
| RESPONSE TIME                          | <50 ms                  |
| ACTIVE EMERGENCY RESPONSE TIME         | <50 ms                  |
| PASSIVE EMERGENCY RESPONSE TIME        | 1900 ms                 |

## RECEIVER

|                       |                              |
|-----------------------|------------------------------|
| OPERATING FREQUENCY   | 433-434 MHz                  |
| CHANNEL SPACING       | 25 KHz                       |
| RF SENSITIVITY        | -117dBm at 0.6kbaud          |
| NUMBER OF RELAYS      | 15 + 2 (Start/Alarm)         |
| RELAYS                | Resistive load: 5A at 250VAC |
| POWER REQUIREMENTS    | 110 VAC / 230 VAC            |
| FASTENING             | By means of Nuts & Bolts     |
| OPERATING TEMPERATURE | -20°C to + 70°C              |
| WEIGHT                | Approx 1.40 Kg               |
| DIMENSIONS (MM)       | 284 (H) x 220 (B) x 110 (W)  |
| OPERATING RANGE       | 100 meters                   |
| PROTECTION RATING     | IP 65 (NABL lab tested)      |