

Introduction

The **TUNNER** range has either 4 or 6 double depression push buttons, and another push button for the start manoeuvre. There are 4 led which provide the operator with a visual indication of the system status. The system is supplied with a small receiver which is modular and versatile in design. It can be wired via a connector or stuffing box, with optional magnetic mounting.

The complete system has been designed so that it can be manipulated without tools, not only the transmitter but also the receiver and configuration of the system. This reduces the costs of technical assistance to facilitate and configure of the system.

The equipment incorporates the advanced feature of **Intelligent Changing Frequency Management (GCFI)**. This technology enables the equipment to detect and choose the most adequate channel within the frequency band, avoiding possible interferences.



TRANSMITTER

RECEIVER

Technical Specification

| | |
|---------------------------------|-----------------------------|
| Number of Commands | Up to 9 + Start/Horn + Stop |
| Hamming Distance | ≥6 |
| Response Time | <50ms |
| Active Emergency Response Time | <50ms |
| Passive Emergency Response Time | 1600ms |
| Operating Range | 100m |

Transmitter

| | |
|--|--|
| Operating Frequency | UHF UN 30 from C.N.A.F. (433.00 to 434.00 Mhz) UHF UN 39 from C.N.A.F. (865.000 to 870.000 Mhz) |
| Operating Working Time | 18 Hours + 10 minutes after low battery LED flash |
| Channel Spacing | 25KHz |
| Modulation | FM |
| RF Power Output | 10mW A.R.P. |
| Coding Key | FFSK |
| Transmitting & Standby Power Consumption | <80mA / <800µA |
| Dimensions | 170 x 70 x 55 mm / 6.69 x 2.75 x 2.17 in |
| Battery Capacity and Type | Removable Battery, NiMH 3.6V |
| Operating Temperature | -20°C to +70°C |
| Transmitter Approx Weight | 0.325 Kgs (without battery) |

Battery & Charger details

| | |
|-----------------------|--|
| Charger Power Supply | 100-240 VAC (max 3VA) |
| Battery Charging Time | 7 - 8 Hrs |
| Protection Rating | IP 30 |
| Dimensions | 105 x 75 x 45mm / 4.13 x 2.95 x 1.77 in |

Receiver

| | |
|--------------------|--|
| RF Sensitivity | 0.3m V |
| Number of Commands | 12 (9 + Alarm + 2 Start (Stop)) |
| Relays | Resistive load: 5A + 5A at 250Vac or 30Vdc |
| Power Requirements | 110 VAC / 220 Vac (-20% +15%) |
| Display | in accordance with EN 60047-5-1 |
| Wiring | By Itowa Connector of 26 pins |
| Fuses | Emergency Stop Function 3 A |
| Dimensions | External 190x 83x 165mm (with support) / 7.48 x 3.27 x 6.5 in |
| Weight | with Fastening 0.89Kgs |
| Protection Rating | IP 65 |
| Fastening | By nut bolts, Din railor Magnetic |