

WIRELESS REPEATER

TRX

This microprocessor controlled repeater is designed for extending operation range of low power radio devices and features integrated transceiver allowing reliable receiving and retransmitting of selected radio signals in compliance with relevant R&TTE standards. Elmes TRX repeater identifies, stores and retransmits signals received exclusively from Elmes Electronic made transmitters. With long or large communication distance to cover many repeaters can be used in a chain or configured for simultaneous operation in large field. The repeater may be user set to retransmit data messages from all or selected Elmes devices offering multiple configurations and solving communication gap problems in wireless security and remote control applications. Weak radio signals may not be reliably detected at large monitored area by a receiver thus requiring one or more repeaters to secure wide area coverage. Other application examples include: harsh propagation conditions limiting practical operation range; required distance between transmitter and receiver being greater than operating range of radio equipment thus requiring retransmitting of signals; existing local object (wall, building, etc.) attenuating or reflecting wireless signals requiring repeater use to extend wireless devices operating range. and concrete constructions, metal garages limiting practical operation range;

SPECIFICATIONS

- EU standard 433.92MHz band transceiver;
- power supply 8..15VDC, 20mA;
- maximum operating range 200m in open field;
- preset retransmission delay range: 0...8s;
- preset inactivity time range: 0..8s;
- operation temperature range: -20 do +40°C;
- external dimensions: (L/W/D) 58/32/19mm.

