



433MHz LoRa Remote Control

Features

- FSK/ FHSS LoRa Spread Spectrum
- FSK upto 500m Range
- FHSS LoRa upto 5Km Range
- Long Range LoRa Mode 1 to 4
- Map any Tx Switch to Any RX O/P
- 4 x Relay Changeover Contacts Rated 4A @ 230Vac (1KW)

Transmitter

- Waterproof to IP65
- Powered from 3 x AAA Batteries
- LED Acknowledgment Back from Rx
- Continuous / State change Transmit

Receiver

- 6-32Vac/dc Supply
- Waterproof Receiver (IP65)
- Outputs Momentary or Latching
- Optional Rx Acknowledge back to Transmitter
- Systems supplied 'ready to Go'



Intended Use

- Clay Pigeon Releases
- Industrial Lighting
- Gates / Roller Shutter Doors

Description:

RADIOTRAP system is designed for continuous operation 365 days of the year. This Transmitter is rate IP65 and the receiver IP65.

Each receiver has four independent changeover relay outputs which can easily be paired with individual switches from one or many transmitters. Building a bespoke control system is easy with any of the transmitters.

RADIOTRAP LoRa Remote Control



Part Numbers



Part Number	Description
RADIOTRAP-4S1	1 Channel System (Tx and Rx)
RADIOTRAP-4S4	4 Channel System (Tx and Rx)
RADIOTRAP-4R4	4 Channel Receiver only

Additional Transmitters



Part Number	Description
RADIOTRAP-4T1	1 Switch
RADIOTRAP-4T2	2 Switch
RADIOTRAP-4T3	3 Switch A, B, PAIR
RADIOTRAP-4T4	4 Switch
RADIOTRAP-4T16	8 + Shift Key / 16 Function

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Part Numbers for Clay Release Systems



Part Number	Description
RADIOTRAP-4S1	1 channel System
RADIOTRAP-4S1PRM	1ch System Prewired for Promatic (Hirschman)
RADIOTRAP-4S1LAP	1ch System Prewired for Laporte



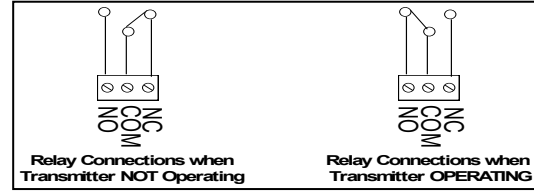
Part Number	Description
RADIOTRAP-4S3SPORT	Sporting System (TX & 2 x RX's)

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Relay Outputs:

The receiver provides 4 changeover relay contacts each capable of switching up to 1.2KW (5A @ 230V). Each relay is independent controlled and an isolated switch. Connections are Common (COM), Normally Open (NO) and Normally Closed (NC).



Technical specifications

Transmitter Enclosure Rating: Standard IP65
 Battery Type: 3 x AAA (supplied)
 Battery Life: 2 years @ approx. 50 1/2second presses p/day
 Dimensions: 90 x 54 x 27 mm

Electrical Characteristics	Min	Typical	Max	Units
Supply Voltage		4.5		V
Supply Current		17		mA
Frequency:		433.92		MHz
RF Output Power (ERP)	-		+10	dBm

Receiver Enclosure Rating: IP65 (Tested against low pressure jets of water)
 Dimensions: 130 x 112 x 42 mm (not including antenna)
 Operating Temp -10 to +50° Celsius

Electrical Characteristics	Min	Typical	Max	Units
Supply Voltage for Low Voltage version	6		32	Vdc or ac
Relay Rating		5	12	A
Supply Current : Quiescent All (4) relays operating*		25 140		mA
Time delay from Tx on Switch to Rx Relay operation		22		mS
Time delay from Tx sw relax to Rx Relay release		25		mS

Mechanical Dimensions

