

# ACT 433

## Long Range Receiver & Transmitter

# ACT

Access Control Technology

The ACT 433RX Receiver integrates Gate Entry or Barrier Control within a new or existing access control system. It connects to any 37-Bit Wiegand and Clock & Data access control system, including ACTpro and ACTsmart2 systems.

It operates with the ACT 433TX and ACT 433TXprox long range transmitters. The ACT 433TXprox has in-built proximity.



### Main Features

#### ACT 433RX Receiver

- Compatible with any 37 bit Wiegand and Clock & Data access control system
- Integrates with ACTpro and ACTsmart2 Systems
- IP 67 rating allowing for Indoor or Outdoor Installation
- Operates with ACT 433TX and ACT 433TXprox fobs
- Attractive rugged polycarbonate housing
- Surface / Flush Mount
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#### ACT 433TX Transmitter

- High security rolling code transmission
- Can operate as ACT proximity fob
- Operates from up to 50m (no obstacles)
- Two button battery powered radio device
- One transmitter can operate two receivers e.g. in gate / out gate
- Compatible with ACT 433RX Receiver
- Unique code
- Complies with European Directives 73/23/EE and 98/336/EEC

ACT 433RX Receiver

ACT 433 TX / ACT 433TXprox Long Range Transmitter



### Applications

The transmitters have 2 buttons can have different applications.

An individual receiver will be required for each application.

- Gate Control: Use 1 button / channel for the entrance gate and the second for the exit gate.

Other applications for the second button include:

- External car park / driveway lighting
- Barrier control
- Motorised roller shutters or blinds:
- Motorised awnings

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### Ordering Information

Long Range Receiver	ACT 433RX
Long Range Transmitter	ACT 433TX
Long Range Transmitter with Proximity	ACT 433TXprox



ACT 433RX Receiver



ACT 433TX / ACT 433TXprox Transmitter

### Installation

#### ACT 433RX Receiver

- Connects to the ACTpro door controllers (ACTpro 1000/2000/3000, ACTpro 100/200). Clock & Data and Wiegand format
- Connects to the ACTsmart2 Readers (ACTsmart2 1080, ACTsmart2 1090). Clock & Data format

#### ACT 433TX / 433TXprox Transmitter

- The transmitter is powered by 2 batteries.

### Product Specification

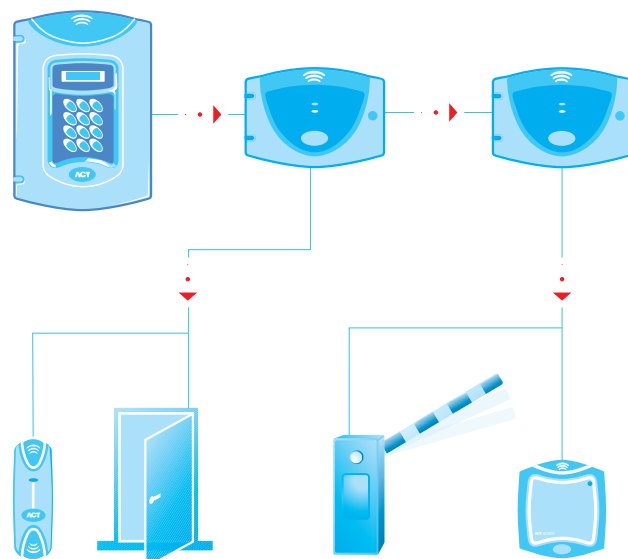
#### ACT 433TX & 433TXprox Transmitters

Operating Frequency	433.92 MHz
Modulation	FSK
Supply Voltage	6 Volts
Current Consumption	4mA
Range in free space (max)	50 metres
Operating Temperature	-20 to +70 C
Dimensions (h x w x d, mm)	71.5 x 42.5 x 16
Weight	20 gms
E.R.P	5uW
Batteries	Two CR2030
Battery Life	2 years (normal usage)
Transmission period	2.3 sec.
Transmission duration	7 m sec.

### Product Specification

#### ACT 433RX Receiver

Operating Frequency	433.92 MHz
Modulation	FSK
Supply Voltage	5 Volts or 12 Volts
Current Consumption	60mA
Range in free space (max)	50 metres
Operating Temperature	-20 to +70 C
Dimensions	109 x 100 x 24 (h x w x d, mm)
Weight	106 gms



Operating distance: 10 cm  
Using the transmitter as a standard card / fob



Operating distance: 50 m  
Using the transmitter as a long range unit

### ACT 433 Schematic