

INTRODUCTION:

R-IDENT is a low cost, low power radio tagging system with a range of up to 200m. Each transmitter broadcasts a packet of information three times every minute. This packet consists of the tag's unique code number, status of inputs, battery status, and input active hours count.

Any TX8 transmitters can be used with any of the RXnn receivers. The receivers can use the information within a data packet to identify and trace equipment and detect moving or missing items .

The TX8A transmitters have an internal aerial and have a range of upto 125m.

The TX8B transmitters have an external whip aerial and have a longer range of upto 200m.

The TX8C transmitters are the same as the TX8B transmitters except that they are designed for horizontal mounting on a flat surface.

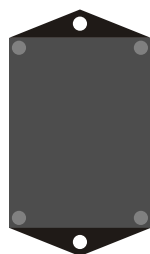
The TX-8

R-IDENT TX-8 is designed to alert to any vibration happening to the tag or the hardware the tag is fitted to. When the tag is not moving, it transmits the tag type, user ID, tag number, Vibration detector status, RSSI (received signal strength) and battery status, once every minute (randomly)

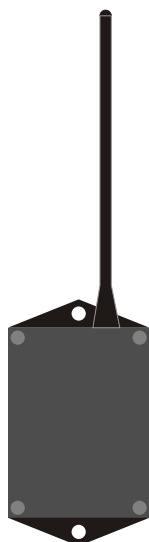
Upon moving the tag it transmits the tag type, user ID, tag number, Vibration detector status, RSSI and battery status, once every second for as long as the vibration detector is still detecting movement and upto 15 seconds after.

The tag is in an epoxy encapsulated IP68 enclosure and so is impervious to most weather conditions. Battery life is expected to be >7 years.

TRANSMITTER TYPES:



R-IDENT TX8A



R-IDENT TX8B



R-IDENT TX8C

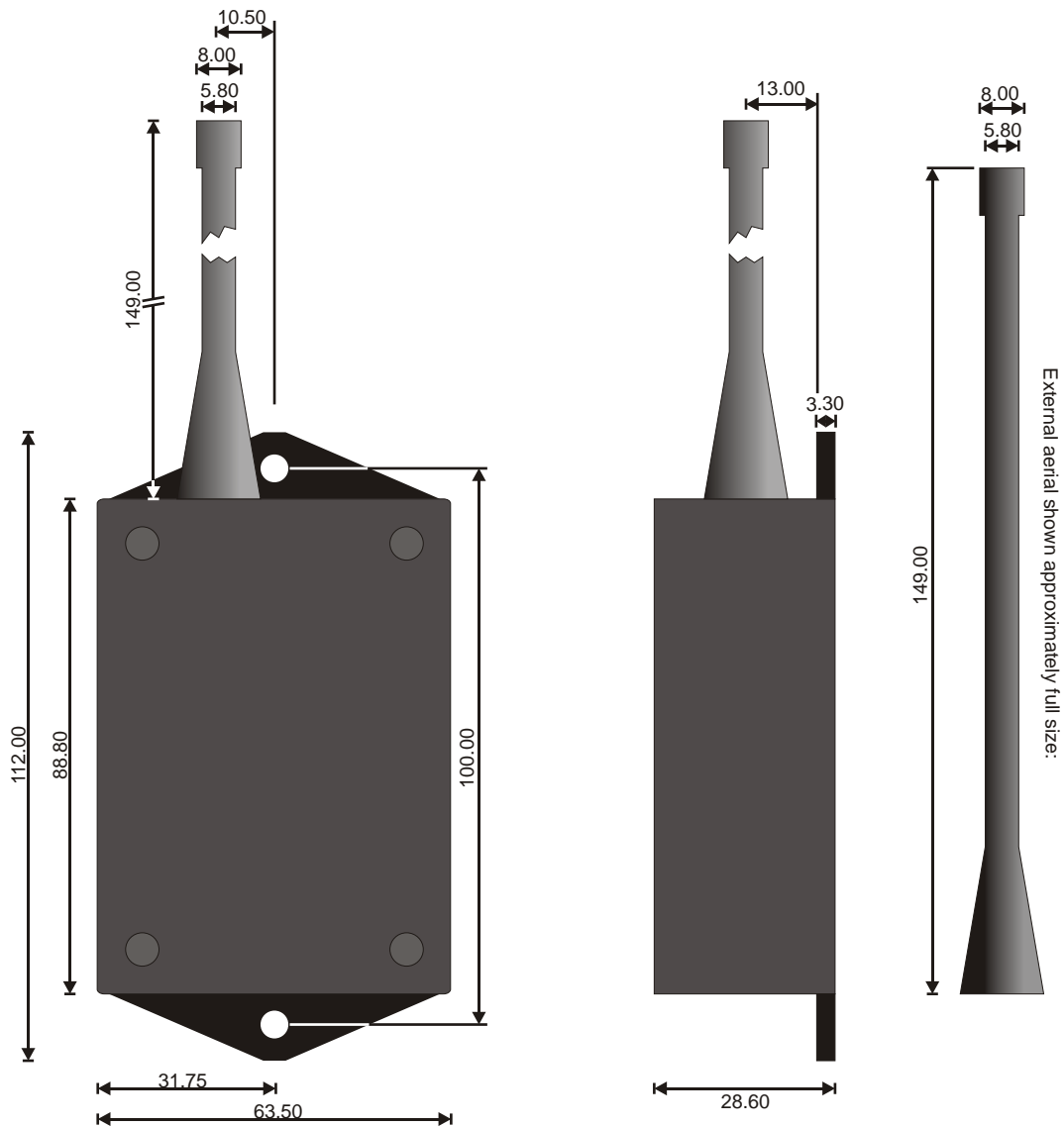
SPECIFICATIONS:

Specifications: All TXs

RF Characteristics:	Low power 433MHz (license exempt in the UK and Europe).
Battery Life:	Typically 8 years, non-replaceable
Operating Temperature:	-20°C to +85°C
Weight:	175g (internal aerial) 240g (external aerial)
Dimensions:	63.5mm wide, 122mm high, 28.5mm deep
Ingress Protection	I.P. 68

Physical Dimensions

NOTE: Transmitter tags type TX8A do not have an external aerial fitted



PART NUMBERS:

Part N.o:	Description:
TX8A	Transmitter tag and internal aerial.
TX8B	Transmitter tag and external aerial.
TX8C	Transmitter tag for horizontal mounting and external aerial.

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