



## [TX3] Series

TELEPHONE/CARD ACCESS SYSTEMS

# TX3 Security Access Control Wireless Radio Transmitters

TX3-WRT-4H 4-Button & TX3-WRT-2H 2-Button

Wireless Radio Transmitters and Long Range Receivers with integrated receiver antenna  
Mircom's high frequency, long-range identification solution



Actual size

## 1 Secure

### Best-in-class security guards against code-grabbing and scanning

- Mircom's wireless communications are based upon a secure, digital, anti-playback routine, and rolling code, which reduces the risk of code sniffing and unauthorized duplication

## 2 Versatile

### Mircom Transmitters combine both long range technologies and operation:

- Transmitters are available in either a two- or four-button configuration, each corresponding to its own Wiegand output on the receiver
- Transmitters ship standard with a proximity module compatible with AWID and HID® proximity readers.
- Potted proximity or contactless smartcard module enables the transmitter to be used as a close-range, presentation style access credential
- Wiegand output works with all standard access control and identical data is outputted upon button press or presentation
- Presentation: 125-kHz proximity provides up to 2 inches (51mm) of read range
- Button press: 433-MHz operation features up to 150 feet (46m) of read range

## 3 Durable

### Built to last

- A robust weatherized design features hard plastic buttons, a reliable lithium battery and potted modules

## 4 User-Friendly

### Mircom's Transmitters were designed with users in mind

- Transmitters include an integrated red LED, used to indicate both positive button press and battery strength
- Transmitter times-out\* automatically when button is held down continuously to prevent battery drain and potential interference with other transmitters

## 5 Easy Installation

### Simple to use...even simpler to install

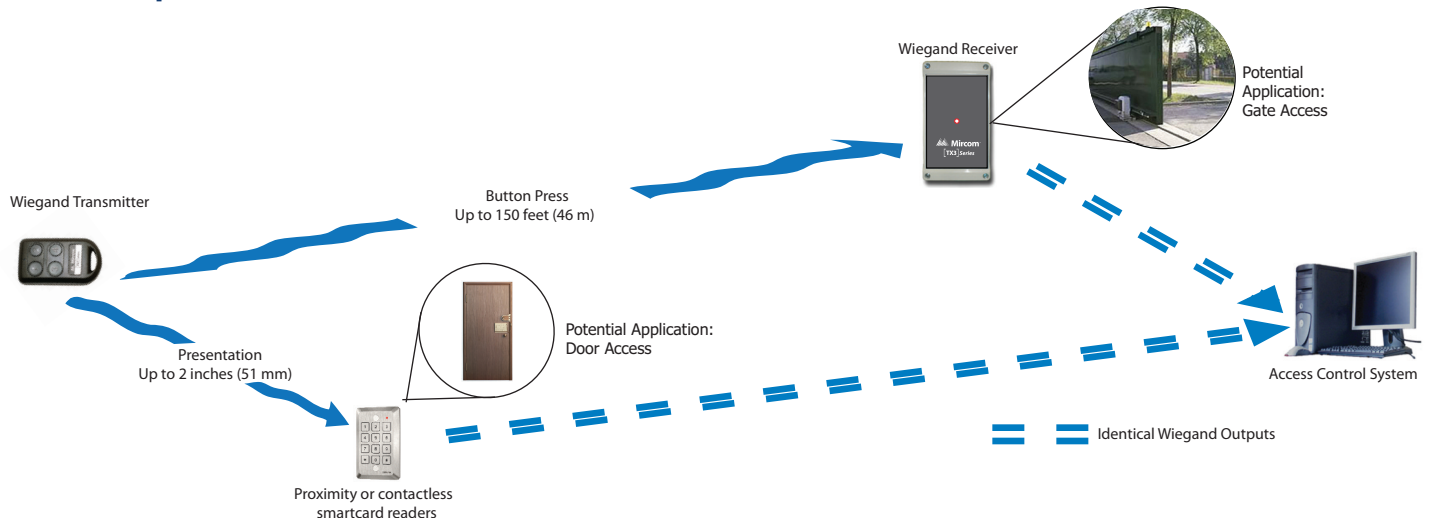
- To enroll, simply double click the Transmitter when in range of the Receiver - no DIP switches required
- Compact design allows the Transmitters to be carried on a key chain, worn on a lanyard, or adhered to a flat surface, such as vehicle's dashboard using Velcro®, for convenient gate access
- Two piece unit makes it simple to replace the battery and snap it back together.

\*Transmitter will turn on again only after the button is released and depressed again.

# Wireless Radio Transmitters

## 433-MHz Long Range ID Solution

### Modes of Operation



### Specifications

<b>Dimensions:</b> 2.5 x 1.45 x 0.56 inches (57.2 x 37 x 14.2 mm)	<b>Battery:</b> Single replaceable CR2032, 3.3V, Lithium battery <sup>2</sup>
<b>Operation:</b> Button Press: long range 433 MHz (active) Presentation: 125 kHz proximity and or 13.56 MHz contactless smartcard (passive)	<b>Buttons:</b> TX3-WRT-2H: Two buttons labeled 1 & 2 TX3-WRT-4H: Four buttons labeled 1 through 4
<b>Formats:</b> Wiegand (26-bit industry standard and custom Wiegand formats)	<b>Compatibility:</b> Button press: TX3-WRR-42 receiver Presentation: AWID and HID Proximity 125 kHz readers.
<b>Operating Temperature:</b> -25 °C to +50 °C	<b>Material:</b> Black polycarbonate enclosure with gray ABS keys
<b>Weight:</b> 0.7 OZ (20g)	<b>Certifications:</b> FCC, IC, CE and C-Tick
<b>Secure Transmission:</b> Rolling code + Encryption algorithm	<b>LED:</b> Integrated red LED standard (activated upon button press)
<b>Read Range<sup>1</sup>:</b> Button Press: Up to 150 feet (46 m) with TX3-WRR-42 Presentation: Up to 2 inches (51 mm) with P-500	<b>Marking:</b> Date code and ID
<b>Warranty:</b> Limited 1-year warranty against defects in materials and workmanship	<b>Key Ring:</b> Optional 1-inch (26 mm) key ring available - key ring is not supplied standard
<b>Models<sup>5</sup>:</b> TX3-WRT-4H, 4-Button Long-Range Transmitter TX3-WRT-2H, 2-Button Long-Range Transmitter	

<sup>1</sup> Tested with WRT-4+.

<sup>2</sup> Rated to provide more than 450,000 button presses.

HID is a registered trademarks of HID Global Corporation, an ASSA ABLOY company. All other trademarks are the property of their respective owners.

### CORPORATE/CANADA

25 Interchange Way Vaughan, Ontario L4K 5W3  
Tel: 888.660.4655 Fax: 888.660.4113

### USA

4575 Witmer Industrial Estates, Niagara Falls, N.Y. 14305  
Tel: 888.660.4655 Fax: 888.660.4113



Information supplied in this document is subject to change without notice. Mircom Technologies Ltd. assumes no responsibility or liability whatsoever for any errors or omissions that may appear in this document. Except as permitted by license, no part of this publication may be reproduced, stored in a retrieval system, transmitted in any form by means electronic, mechanical, using any recorded media, or any other format without the prior written permission of Mircom Technologies Ltd.

Mircom™ name and graphic design is the exclusive property of 7049587 Canada Ltd., used under licence by Mircom Technologies Ltd.