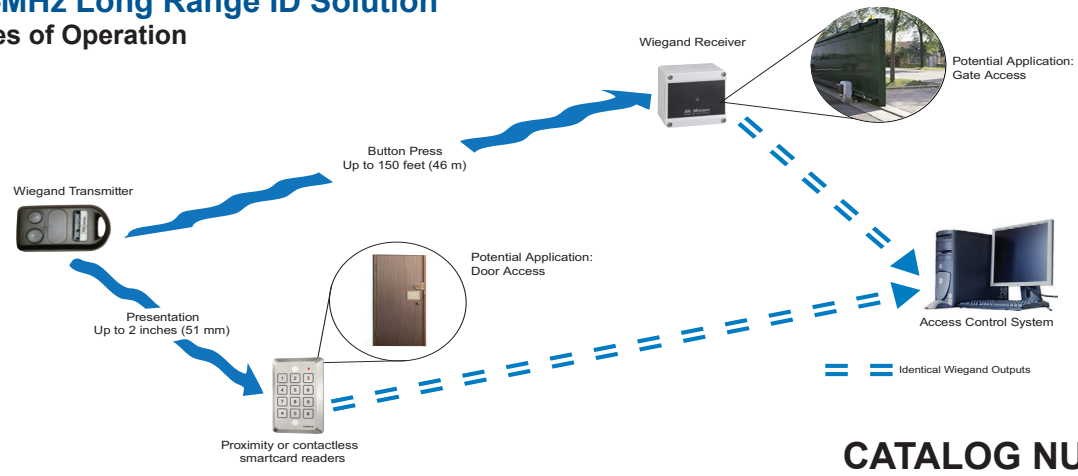[TX3] *Series*

TELEPHONE/CARD ACCESS SYSTEMS

Description

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 receiver. The TX3-WRR-44 works with the four button and the TX3-WRR-22 for the two button transmitters.

- 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 100 feet (30.48m) of read range

Feature/Benefits

- 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

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

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

- 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 The two piece unit makes it simple to replace the battery and snap it back together

- Receiver has two channels which enables two overhead doors or gates to be controlled from one receiver

- Weather Resistant Receiver housing enables the receiver to be mounted outdoors

433-MHz Long Range ID Solution
Modes of Operation

Wiegand Receiver

Potential Application: Gate Access

Button Press
Up to 150 feet (46 m)

Wiegand Transmitter

Potential Application: Door Access

Presentation
Up to 2 inches (51 mm)

Access Control System

Proximity or contactless smartcard readers

Identical Wiegand Outputs

CATALOG NUMBER **6542**

Specifications

Details	
Dimensions:	**Transmitter** 2.5 x 1.45 x 0.56 inches (57.2 x 37 x 14.2 mm) **Receiver** 3.5 x 3.4 x 2.3 inches (89 x 86.36 x 58.42)
Operation:	Button Press: long range 433 MHz (active) Presentation: 125 kHz proximity (passive)
Formats:	Wiegand (26-bit industry standard and custom Wiegand formats)
Operating Temperature:	**Transmitter** -25° C to +50 ° C (-13º F to +122º F) **Receiver** -40° C to +65° C (-40º F to +149º F)
Receiver Details:	current draw = 80 mA typical Input voltage = 8 to 24 VDC. IP66/NEMA4 compliant plastic enclosure (Dust & Moisture Resistant)
Transmitter Weight:	0.7 OZ (20g)
Secure Transmission:	Rolling code + Encryption algorithm
Read Range[1]:	Button Press: Up to 100 feet (46 m) with TX3-WRR-22 Presentation: Up to 2 inches (51 mm) with transmitters
Warranty:	Limited 1-year warranty against defects in materials and workmanship
Battery:	Single replaceable CR2032, 3.3V, Lithium battery[2]
Buttons for transmitters:	TX3-WRT-2H: Two buttons labeled 1 & 2 TX3- WRT-4H: Four buttons labeled 1 through 4
Compatibility:	Button press: TX3-WRR-22 receiver Presentation: AWID and HID Proximity 125 kHz readers.
Material:	Black polycarbonate enclosure with gray ABS keys
Certifications:	FCC, IC, CE and C-Tick
LED:	Integrated red LED standard (activated upon button press)
Marking:	Date code and ID
Key Ring:	Optional 1-inch (26 mm) key ring available - key ring is not supplied standard

Ordering Information

Model	Description
TX3-WRT-2H	2-Button Long-Range Transmitter, only works with the TX3-WRR-22 and TX3-WRR-42 receiver
TX3-WRT-4H	4-Button Long-Range Transmitter, only works with the TX3-WRR-44 receiver and TX3-WRR-42
TX3-WRR-22	Wiegand receiver only works with the TX3-WRT-2H transmitters

[1] Tested with WRT-4+.
[2] 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.