TX3 Series

Mounts to mullion   Mounts to single-gang wall switch box

Doors   Parking   Turnstiles

Features

• **Buetooth Low Energy**
  Supports Conekt Smartphone Mobile Access Credentials

• **Proximity**
  Supports 125-kHz cards and tags

• **MAXSecure™**
  Unique Security Feature

• **Wiegand, ABA Track II Magnetic Stripe**
  Output Interface

• **Single Reader for Mullion or Wall-Switch Mount**
  Metal Door, Window Frames & Flat Surfaces

Description

Mircom's TX3-PCR-35 mobile smartphone access control ID solution is based upon the proven LEGIC® contactless digital radio frequency identification (RFID) platform, our readers interface with a wide range of electronic access control systems by complying with either the legacy Wiegand and ABA Track II magnetic stripe formats. They offer value-add features such as MAXSecure™, and can be ordered to support several proximity card and tag technologies. In addition to traditional proximity credentials, such as clamshell cards and key tags, the platform also offers the option of mobile access credentials loaded on Bluetooth Low Energy (BLE)-enabled smartphones. This allows the smartphone to function as a contactless electronic access control credential.

CATALOG NUMBER

6579

Specifications

Technology[1]	Proximity and Bluetooth Low Energy (BLE)
Frequency	125 kHz (proximity) and 2.4 GHz Bluetooth Low Energy (BLE)
Mounting	A single reader for metal door and window frames, single-gang wall boxes, and flat surfaces
Dimensions	Mullion: 1.7" W × 4.7" H × 1.2" D (43 mm × 119 mm × 30 mm) Switch Plate: 3" W × 5.1" H × 1.2" D (76 mm × 130 mm × 30 mm)
OEM Label Area	Backlit; Dimensions 0.9" W × 0.35" H (22.86 mm × 8.89 mm) with corner radius of 0.06" (1.5 mm)
Certifications	FCC, ICC, CE
IP Code	IP67
Voltage[2]	+8 – 14 VDC
Current Draw	40 mA typical @ 12 VDC, 195 mA peak
Read Range[3]	Physical Proximity Credentials: Up to 4 inches (102 mm) Mobile Credentials: Up to 12 inches (306 mm)
Cabling[4]	24 AWG minimum, multiconductor stranded with an overall foil shield
Interface	Wiegand (26-bit and custom formats), ABA Track II magnetic stripe (clock and data)
Operating Temperature	–40° F to 149° F (–40° C to +65° C)
Audio Tone	Beeper included standard
Indoor & Outdoor Installation	Electronics sealed in weather- and tamper-resistant epoxy potting
Warranty	Limited lifetime warranty
LED	Five-state standard (blue, red, green, amber, and off)
Technologies Supported	TX3-PCR-35: Pyramid + certain HID® 125-kHz Proximity protocols + certain AWID® 125-kHz Proximity protocols Conekt Mobile Access Credentials[8]

NOTES:
1. Optimized for use with devices supporting BLE version 4.2 or newer.
2. Linear power supplies are recommended for best operation.
3. Using PSC-1 Standard Light Proximity Card with 12 VDC at the reader. Other credentials may be less. Read ranges are further subject to the type of proximity credential or smartphone used, the manner in which it is used, as well as the installation and its environment.
4. For example, Belden 9535 or similar, comprising the physical layer of the Wiegand interface (power, ground, data 0, data 1, and/or beeper and LED). Alternatively, Belden 9539 or similar, for all reader functions.
5. Examples may include, and may not be limited to, PSC-1, PSI-4, PSM-2, PSK-3, and PDT-1.
6. Examples may include, and may not be limited to, ProxCard II®, ISOProx® II, and ProxKey® II.
7. Examples may include, and may not be limited to, CS Prox Card, GR (ISO) Graphics Quality Prox Card, and KT Key Tag.
8. Conekt Mobile Access Credentials are intended to be supported by the current and preceding versions of Apple® iOS and standard compliant Google Android™ mobile operating software (OS). Custom OS variants may result in a loss of functionality.

Patent Pending

Ordering Information

Model	Description
TX3-PCR-35	Mobile-Ready Proximity Reader

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25 Interchange Way
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