

Overview

GE Transition™ Series Mini-Mullion readers offer the advantage of contactless technology in an extremely compact design. Their small size enables flexible, easy installation on walls, and mullions.

Mini-Mullion readers feature simultaneous compatibility with multi-vendor credential technologies. Two models are available:

- **Model 100** reads 125 kHz GE and HID proximity credentials, and outputs the badge encoded number
- **Model 200** reads 13.56 MHz Mifare and Vicinity credentials and outputs the card serial number

Both models communicate with the access control panel via the Wiegand data protocol. A tri-color LED indicates device is powered on or if a valid or invalid credential has been processed.

Standard Features

- High-reliability, consistent read-range performance, and low power consumption
- Proximity and Mifare/Vicinity compatible models available
- Compact design ideal for door frames and mullions, and installs on both metal and non-metal surfaces
- Sealed weather-resistant unit does not require a back box and is suitable for indoor or outdoor applications
- Tri-color LEDs and audible indication for status, alarm and tamper conditions

Application

With an optimization technology that adjusts to a wide range of installation environments, Transition Series Mini-Mullion readers are adaptable to any application. The reader's design accommodates both metal and non-metal environments, ensuring card-holders experience consistent read-range performance for all types of installations.

Mini-Mullion readers feature a compact design that makes them ideal for mounting on door frames and mullions. Their "potted" housings require no back box, and make them suitable for indoor and outdoor installation.

Model 100 provides reliable performance in applications using standard proximity technology, while Model 200 offers a direct migration path to Mifare and Vicinity smart card technologies.

Mini-Mullion Card Readers

Transition Series



GE Security

North America
T (561) 998-6100
T 888-GE-SECURITY
888-(437-3287)
F 561 998 6224
E rs-bctinfo@ge.com

Asia
T 852-2907-8108
F 852-2142-5063

Australia
T 61-3-9259-4700
F 61-3-9259-4799

Europe
T 32-2-725-11-20
F 32-2-721-40-47

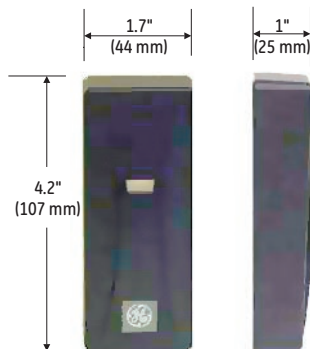
Latin America
T 305-593-4301
F 305-593-4300

www.gesecurity.com

Specifications subject to change without notice.

©2007 General Electric Company
All Rights Reserved

Dimensions



Intelligent Supervision

A Wiegand Interface Unit (WIU-2 or WIU-4) must be used if the Mini-Mullion readers are to be connected to an 8RP board or an M2000 controller. The Interface Units convert the reader's Wiegand data to supervised F/2F data format, and allows door contact and Request-to-Exit (REX) state changes to be communicated over the same four-conductor Belden 8723 type wire. This significantly reduces wiring requirements and allows continuously-monitored communication.

Specifications

	T-100	T-200
Frequency	125 kHz	13.56 MHz
Current Draw	Average 55 mA DC, Peak 167 mA DC	Average 55 mA DC, Peak 80 mA DC
Maximum Read Range	125 kHz = up to 3" (762 mm)*	13.56 MHz = up to 3" (762 mm)*
Compatibility	GE Security ProxLite, Entrée Prox, HID Proximity	ISO 15693: HID iClass, Inside Contactless PicoTag, ST Microelectronics, Texas Instruments Tag-IT, Phillips iCode ISO 14443A: Mifare, DESFIRE
Weight	0.55 lbs	0.50 lbs
Listings	UL 294, FCC, CE	
Physical Dimensions	1.72" (44 mm) W x 4.2" (107 mm) H x 1.0" (25.4 mm) D	
Temperature Range	-31° to +149° F (-35° to +65° C)	
Material	PBT Polymer GE Valox 364	
Color Options	Light Gray, Charcoal, or Black	
Input Power Range	5-16 VDC	
LEDs	Single, MultiColor	
Cabling Distance	Wiegand Output - 18 AWG: 500 ft (152 m); 22 AWG: 200 ft (60 m) Extended cable distance up to 3000' when using WIU-4 or WIU-2	
Recommended Cable	Minimum 22 AWG (18 AWG preferred) with 5 conductors, shielded	

*Maximum read range depends on credential type/form factor and installation conditions.

Ordering Information

Part Number	Description	Ship Wt.
430222001	Reader, T-100, Transition Series, Mini-Mullion, 125 kHz, Light Gray	0.55 lbs
430222002	Reader, T-100, Transition Series, Mini-Mullion, 125 kHz, Charcoal	0.55 lbs
430222003	Reader, T-100, Transition Series, Mini-Mullion, 125 kHz, Black	0.55 lbs
430223001	Reader, T-200, Transition Series, Mini-Mullion, 13.56 MHz, Light Gray	0.50 lbs
430223002	Reader, T-200, Transition Series, Mini-Mullion, 13.56 MHz, Charcoal	0.50 lbs
430223003	Reader, T-200, Transition Series, Mini-Mullion, 13.56 MHz, Black	0.50 lbs

Wiegand Interface Units

430187001	Wiegand Interface Unit: Two-State (WIU-2) Card
430160001	Wiegand Interface Unit: Four-State (WIU-4) Card