Transition Series Multi-technology Card Readers

Overview

GE Transition™ Series multi-technology card readers feature a revolutionary compatibility with multi-vendor 125kHz Proximity, Mifare (ISO 14443A), and Vicinity (ISO 15693) credential technologies—all in one reader. With this remarkable combination of technology, security administrators can now deploy the Transition readers into existing or new facilities—continue to serve existing card-carrying communities—while implementing a strategy that leverages the latest in security and smart card technology advancements.

No matter what credential technology you currently employ, Transition readers allow continual use and features, but more importantly the ability to transition to new and more secure smart card technology. These readers offer security system administrators an economical solution to migrate to new smart card technologies on their own timelines and budgets to better secure their business.

Intelligent Supervision

GE Transition Series readers provide superior value when performance matched with select GE access control platforms. Only GE offers intelligent supervision that continuously monitors communication between the access control panel and reader at the door. Door contact and request-to-exit device connections are four-state supervised for cut line, short-circuit, closed circuit and open-circuit conditions. There's also an internal tamper-alarm mechanism. That means your security staff is immediately notified if a reader is tampered with, a door is breached or circuit is cut or shorted. Tri-state LEDs and audible alerts indicate status, alarm and perimeter-tampering conditions.

Versatile Security System Compatibility

GE multi-technology Wiegand-output models (T-500W/T-520W/T-525W) work with most types of access control systems that use Wiegand-based data communications up to 64-bits. They are also compatible with access cards using multi-vendor Proximity, Mifare (ISO 14443A) and Vicinity (ISO 15693) technologies.

Environment Optimization

GE Transition readers also feature an optimization technology that adjusts to a wide range of installation environments. The reader designs accommodate both metal and non-metal environments to ensure cardholders experience consistent reader performance for all types of installations and climates.

Weather Proof/Lifetime Warranty

Transition readers are made of durable UV-resistant material that inhibits discoloration in all types of indoor and outdoor conditions including direct sunlight. The readers also feature advanced electronics and circuitry for weatherproof protection against inclement weather. Combine all this protection with a lifetime warranty, and any organization can confidently expect years of exemplary reader service.

Standard Features

- **Supports Proximity, Mifare (ISO 14443A), and Vicinity (ISO 15693) technology and credentials**
- **Accepts 6-16 VDC power input**
- **Allows easy migration to Proximity, Mifare, and Vicinity Smart Card technologies**
- **Offers high-reliability, consistent read-range performance, and low-power consumption**
- **Installs on both metal and non-metal surfaces**
- **Provides tri-state LED and beep indication for status, alarm, and perimeter tampering conditions**
- **Internal tamper alarm alerts security personnel if the reader or perimeter is breached**

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Ordering Information

Part No.	Description
430209001	T-500SW mullion, gray*
521209001	T-500SW mullion, gray, and M/RJ box*
430210001	T-520SW 1-gang, gray*
521210001	T-520SW 1-gang, gray, and M/RJ box*
430211001	T-525SW 1-gang, gray, and 12 key pad*
521211001	T-525SW 1-gang, gray, 12 key pad, and M/RJ box*
430209002	T-500SW mullion, charcoal*
521209002	T-500SW mullion, charcoal, and M/RJ box*
430210002	T-520SW 1-gang, charcoal*
521210002	T-520SW 1-gang, charcoal, and M/RJ box*
430211002	T-525SW 1-gang, charcoal, and 12 key pad*
521211002	T-525SW 1-gang, charcoal, 12 key pad, and M/RJ box*
430209003	T-500SW mullion, black*
521209003	T-500SW mullion, black, and M/RJ box*
430210003	T-520SW 1-gang, black*
521210003	T-520SW 1-gang, black, and M/RJ box*
430211003	T-525SW 1-gang, black, and 12 key pad*
521211003	T-525SW 1-gang, black, 12 key pad, and M/RJ box*
385001001	*Installation wrench (required)
430209004	T-500W mullion, gray*
430210004	T-520W 1-gang, gray*
430211004	T-525W 1-gang, gray, and 12 key pad*
430209005	T-500W mullion, charcoal*
430210005	T-520W 1-gang, charcoal*
430211005	T-525W 1-gang, charcoal, and 12 key pad*
430209006	T-500W mullion, black*
430210006	T-520W 1-gang, black*
430211006	T-525W 1-gang, black, and 12 key pad*

Specifications

Color Options
- Gray, charcoal, and black

Agency Approvals
- FCC
- CE mark
- UL 294 (pending)

Physical Dimensions (HWD)
- T-500SW/W: 5.85 in x 1.75 in x 1.16 (148.6 mm x 44.5 mm x 29.5 mm)
- T-520SW/W and T525SW/W: 5.85 in x 4.50 in x 1.24 (148.6 mm x 114.3 mm x 31.7 mm)

Operating Temperature Range
- -13 to 149 F (-25 to 65 C)

Relative Humidity
- 0% to 95% (non-condensing)

Minimum Wiring
- GE F/2F: 4 conductors (minimum)
- Wiegand: 5 conductors (minimum)

Cabling Distance
- GE F/2F systems: up to 3,000 ft. (914 m)
- Wiegand Output: up to 500 ft (152 m)

GE System Compatibility
- Microcontrollers: Micro/5-PX and Micro/5-PXN, Micro/PX-2000 and Micro/PXN-2000
- Access Control Software: Picture Perfect Editions 1.7 or higher
- Access Control Software: Secure Perfect Editions 5.0 or higher
- For detailed system compliance specifications, refer to the reader installation guide