



430240006

T-700 Secure Sector Smart Card Reader, Black.

Overview

The Transition™ Series Secure Sector Smart Card Readers represent one of the most versatile and secure access solutions on the market today. These contactless 13.56 MHz smart card readers are ideal for customers who want to move to secure credentials to protect badge ID data from counterfeiting. These readers come in three styles and colors, and feature diversified or fixed sector keys. Credentials with diversified sector keys are supplied by GE and feature a unique sector key for each credential—or, assuring customers a highly secure badge ID number. Alternatively, customers can select their own fixed sector keys to protect their badge ID numbers.

Capable of reading most MIFARE credentials, these readers output Wiegand or RS-485 communication.

All T-7XX models can be mounted on a single-gang electrical box* or directly on the wall and are weather resistant. The readers come in your choice of black, charcoal or light gray, and are visually similar to other Transition readers.

* Mullion model (T-700) requires an adaptor plate to mount on single-gang box.

For EMEA: Not all Options & Configuration cards are available ! The T-700, T-720 & T-725 are available as complete in black colour only. Please contact your Sales or Pre-Sales team for more information

Supported Card Technologies :

- MIFARE ISO 14443A
- Vicinity ISO 15693
- My-D ISO 15693
- FIPS 201 / PIV Type A or Type B
- HID® iCLASS® 13.56 MHz
- Vicinity (non My-D) ISO 15693
- DESFire ISO 14443



Standard Features

- Diversified sector keys provide unique sector key for each credential, thereby providing the customer a highly secure badge ID number
- Fixed sector keys provide customer with defined key sector to allow them to select a key sequence to protect their badge ID numbers; since customers select their own sector keys, they can select the source of their credentials
- Standard Wiegand data output can be used with GE controllers or other manufacturers' controllers
- Three-piece assembly includes mounting plate, electronics unit and cover; covers come in three colors: black, charcoal, and light gray
- Optical tamper switch can be used to alert system operators that reader has been removed from wall
- Accepts 10-16 VDC power input
- Internal tamper alarm alerts security personnel if the reader is breached
- T-725 keypad is backlit and made of high impact clear Lexan® (polycarbonate) plastic; characters are silk-screened on sub-surface of keys to eliminate wear

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Specifications

Colour	Grey, Charcoal, and Black (EMEA Black Only)
Certifications	FCC Part 15 CE UL 294 FIPS 201 (PIV) ETL 294
Dimensions (W x H x D)	T-700: 43 x 155 x 28 mm T-720 and T-725: 115 x 155 x 32 mm
Operating temperature	-35 to 65°C
Relative humidity	0 to 93%, non-condensing at 32°C
Wiring	RS485 : 4 conductors (min.) Wiegand : 5 conductors (min.)
Cabling distance	RS485: 60 m at 22 AWG, 90 m at 20 AWG, 152 m at 18 AWG Wiegand output :60 m at 22 AWG, 152 m at 18 AWG
GE system compatibility	
Microcontrollers	Direc Door, Micro/5-PX and Micro/5-PXN, Micro/PX-2000 and Micro/PXN-2000
Access control systems	Picture Perfect 1.7 or higher, and microfirmware 1.72 or higher
Access control systems	Secure Perfect 5.0 or higher, and microfirmware 5.0.02 or higher
Access control system	FCWnx: any
Access control systems	Systems that support wiegand or OSDP
Credentials	For detailed compliance specs, see reader installation guide
Diversified GE Keys	Mifare (1K/4K) ISO 14443
OESM Fixed Keys	Mifare (1K/4K) ISO 14443
Diversified GE Keys	My-D (10kBits) ISO 15693
FIPS 201/PV	US Gov (All) pending certification and release
UID only	HID iClass (2K) 13.56MHz
UID only	Vicinity (No My-D) ISO15693
UID only	DESFire ISO 1443

Ordering Information

Part No.	Description
430240006	T-700 Reader Complete Assembly, Electronics and Black Plastic, Mullion
430241006	T-720 Reader Complete Assembly, Electronics and Black Plastic, Mid-Range
430242006	T-725 Reader Complete Assembly, Electronics and Black Plastic, Mid-Range with Keypad

Optimizing Any Environment

With an optimization technology that adjusts to a wide range of installation environments, Transition™ Smart Card readers are adaptable to just about any application. The readers' designs accommodate both metal and non-metal environments, and comes in a variety of wall and doorframe models to ensure cardholders experience consistent read-range performance for all types of installations and climates

Versatile, Rugged and Backed for Life

Transition Smart Card readers are available with or without keypads, in compact housings that come in light gray, charcoal or black. Durable UV-resistant material inhibits discoloration in all types of indoor and outdoor conditions, including direct sunlight. The readers also feature advanced electronics and circuitry, and are sealed for protection against inclement weather. Combine all this protection with a lifetime warranty, and any organization can confidently expect years of exemplary reader performance. While the readers include powerful electronics for superior read-range performance with any technology, they also meet 10-16 VDC requirements and feature low-level power consumption. With their rugged design and impressive versatility, you can count on GE readers for years of consistent and reliable access-card performance.



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