



CT5000

Offline controller



Overview

The CT5000 is an offline single opening controller designed for applications where the security and convenience of offline electronic access control is desired, but an integrated electronic lock may not be practical. It is an ideal solution for narrow stile aluminum store front applications because it can work with a variety of readers, as well as interface with peripheral devices such as automatic operators, electric strikes, and electromagnets.

The CT5000 supports up to two separate Wiegand reader inputs. It is compatible with many types of credential technologies. The CT5000 has three form C relay outputs, for strike, auxiliary and alarm. It also has three inputs that include door position and request-to-exit.

The CT5000 is compatible with many brands and types of credential technologies including magnetic stripe (tracks 1, 2, and 3), 125 kHz proximity, and 13.56 MHz smart cards. It also supports a variety of card functions including: normal, toggle, freeze, pass through, construction, lockdown and card + PIN applications.

The CT5000 offline controller has the unique ability to be programmed locally via keypad or via the Schlage handheld programming device. The CT5000 is compatible with Schlage express access control software. The CT5000 complements your facility's portfolio of CO Series and AD Series devices along with all of your other networked readers.

If networked functionality is required in the future, the CT5000 can be upgraded. With the addition of a networked communication board and upgraded firmware, the CT5000 becomes a wireless reader interface (WRI400). The WRI400 communicates via 900MHz wireless signals to an AD Series PIM400, which connects to the networked access control system. The WRI400 eliminates the need to run additional wires to the door, saving you time and money on installation.

Features and benefits

- Supports up to 5000 users and 5000 audits¹
- UL 294, Canada UL, FCC Part 15, RoHS
- Includes 15 foot USB remote cable connector and decorative wall plate with USB input
- Supports up to two Wiegand reader inputs
- Programmed using Schlage handheld device (HHD) via USB connection or compatible keypad
- Requires 2 amp power supply, such as the Schlage PS902 (sold separately)
- Request-to-exit (remote release)
- LED visual indicators (including low battery and state of the relay)

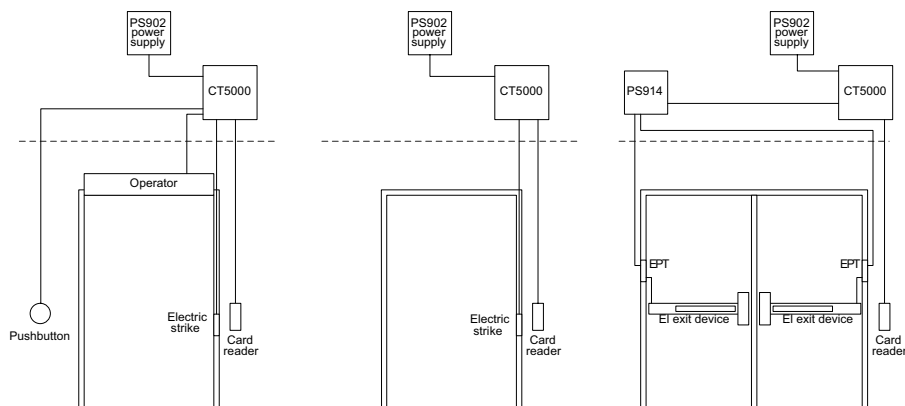
¹ Depending on your access control software

CT5000 offline controllers

The CT5000 can be used for front door applications with an automatic operator, electric strike and card reader

For narrow stile applications, the CT5000 can be used with an electric strike and card reader

The CT5000 and a card reader along with the Von Duprin 914 Power Supply can control two EL exit devices for double door applications



Note: PS902 and Von Duprin PS914 are sold separately.

CT5000 offline controller specifications

Users	Up to 5000	
Audits	Up to 5000	
Power supply	12 VDC or 24 VDC (sold separately, must be UL 294 Class 2 listed power supply)	
Voltage range	9.5 VDC to 26 VDC	
Connector cable specifications	DC power input	18AWG, 2 conductor (Belden 8760 or equivalent) up to 1000 ft (305 m)
	Credential readers (x2)	Data signals: 22AWG, 6 conductor (Alpha 1296C or equivalent) up to 500 feet (152 meters) Reader tamper signals: 18AWG, twisted pair shielded (Belden 8760 or equivalent) up to 500 feet (152 meters)
	Strike/aux relay outputs	18AWG, 2 conductor (Belden 8760 or equivalent) up to 2000 feet (610 meters)
Relay output tolerances	Strike output relay	Form C relay; 6 amps @ 24VDC or 6 amps @ 20 VAC or 3 amps @ 240 VAC
	Auxiliary output relay	Form C relay; 6 amps @ 24VDC or 6 amps @ 20 VAC or 3 amps @ 240 VAC
	Alarm output relay	Form C relay; 6 amps @ 24VDC or 6 amps @ 20 VAC or 3 amps @ 240 VAC
Operating temperature	-31°F (-35°C) to 151°F (66°C)	
Operating humidity	0 - 100% condensing	
Certifications	UL 294; Canada UL; FCC Part 15; RoHS	
Dimensions	10.43" x 7.28" x 3.79" 26.49 cm x 18.49 cm x 9.63 cm	
Programming method	Manually programmed via compatible keypad or computer programmed via SUS software on the Schlage handheld programming device (HHD)	
Optional accessories	125 foot USB remote cable connector, PS902, PS904 or Von Duprin PS914 (sold separately)	

Credential compatibility (software and reader dependent)

Magnetic stripe card	Field configurable track 1, 2, or 3
125 KHz proximity card	Schlage, XceedID® (34X, 35X, 35C, 37X bit formats), HID®, GE/CASI ProxLite™ and AWID® 26 bit format
13.56 Mhz smart card	aptiQ™ smart cards featuring MIFARE DESFire™ EV1 HID iCLASS® CSN only 26 bit format

The following readers are UL 294 listed for use with the CT5000:

- Essex Electronics model KTP-162
- Mercury Security models MR-5 and MR-20
- XceedID model PR10
- aptiQ models MT11, MT15, MTK15, MTMS15, MTMSK15, and SM10

About Allegion

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