CTE

ENGAGE™ Single Door Controller with Mobile Enabled Multi-Technology Reader

Overview

The CTE is an ENGAGE™ enabled single opening controller that allows perimeter and common area openings to be managed in a single system along with Schlage Control® Mobile Enabled Smart Locks, NDE cylindrical and LE mortise wireless locks. It is ideal for multifamily, commercial mixed use and retail store front applications.

The CTE is designed to work with a Schlage® mobile enabled multitechnology credential reader and interface with an electrified lock, electromagnetic lock, electric strike, automatic operator, or exit device to control an opening.

The CTE single door controller is designed for flexibility and can be managed with ENGAGE™ web and mobile apps or with one of our Physical Access Control Software (PACS) provider systems.

Features & Benefits

- Enables around the door solution with ENGAGE functionality
- Built-in Bluetooth® and Wi-Fi®
- Complete with Schlage MTB11 or MTB15 reader (required reader interface RS-485)
- No-Tour capable
- Flexible connectivity options: manage with ENGAGE web and mobile apps or with one of our PACS providers
- Inputs: door position (DPS), request to exit (REX), request to enter (REN), remote release (REL)
- Outputs: lock relay, alarm relay, auxiliary (Aux) relay
- Input Power: 12 or 24 VDC or Power over Ethernet (PoE/PoE+)
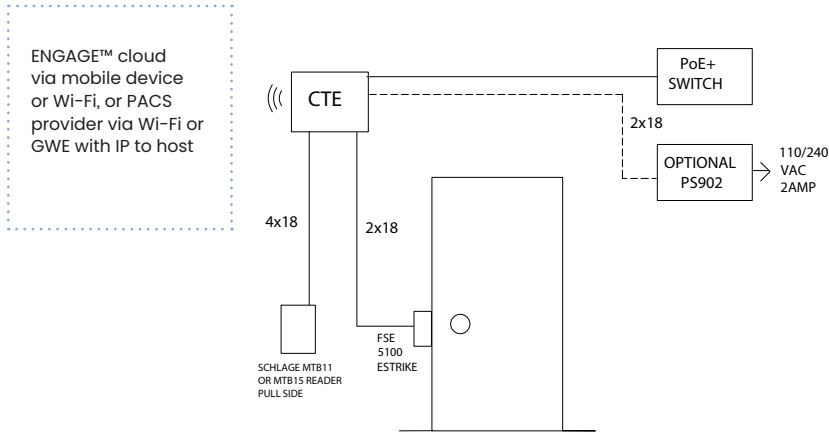- Provides DC output power and dry control contacts

Check out our Schlage Credential Services

CTE Single Door Controller Specifications	
Users	Up to 5,000
Audits	Up to 2,000
Schedules	Up to 16
Holidays	Up to 32
Time zones	Up to 16
Communication standards	Bluetooth® Low Energy (version 4.2)
	2.4 GHz Wi-Fi® (IEEE 802.11b/g/n)
	WPA2, WPA, WEP, 802.1x (PEAP)
	Transport Layer Security (TLS) version 1.2
	Advanced Encryption Standard (AES), 256-bit
Gateway communication range	Up to 30' in typical building environments. A detailed site survey is recommended. Reference ENGAGE™ Gateway data sheet for additional details.
Connectivity options	Mobile (send updates at door)
	Wi-Fi access point (automatic daily updates)
	ENGAGE Gateway, IP to host (Networked wireless reader interface)
	No-Tour[1]
Power inputs	12 or 24 VDC at 3 amps input for powered outputs to get Max 2 amp output on relays, 0.5 amp minimum input when using dry contacts.
	PoE/PoE+ (IEEE 802.3af/at)
Powered outputs: Locking mechanism, alarm, aux	12 VDC input: 2A @ 12 VDC max (combined output across powered outputs)
	24 VDC input: 2A @ 24 VDC max (combined output across powered outputs)
	PoE input: 0.5A @ 12 VDC max (combined output across powered outputs)
	PoE+ input: 1.5A @ 12 VDC max (combined output across powered outputs)
Dry outputs: locking mechanism, alarm, aux	Locking mechanism: 2A @ 30 VDC max
Reader interface	0.3A @ 12 VDC Max (up to 500 ft.)
	12 or 24 VDC input: 12V @ 0.3A max output POE or POE+ input: 12V @ 0.3A max output
	Aux: 2A @ 30 VDC max
	Alarm: 2A @ 30 VDC max
	Reader (Schlage MTB11 or MTB15) (Required to utilize -485 interface)
Signal inputs	Request-to-Enter (REN)
	Request-to-Exit (REX)
	Remote Release (REL) — wired
	Door Position Switch (DPS)
	Tamper (TAMP)
Operating temperature (indoor)	-31°F (-35°C) to 151°F (66°C)
Operating humidity	0 - 100% Non-condensing
Certifications	UL 294 Indoor, FCC Part 15, NEMA Enclosure Indoor (Type 1, 4, and 4X), ULC S319 Indoor, RoHS
Dimensions	2.96" x 5.89" x 7.86"

1. With MT20W and smart credential or mobile credential (consult your access control software provider for specific support).

The CTE single door controller with mobile enabled multi-technology reader kit can be used in a variety of applications. Below are a few examples:

Diagram 1

ENGAGE™ cloud via mobile device or Wi-Fi, or PACS provider via Wi-Fi or GWE with IP to host

CTE — PoE+ SWITCH

2x18

OPTIONAL PS902 → 110/240 VAC 2AMP

4x18   2x18

FSE 5100 ESTRIKE

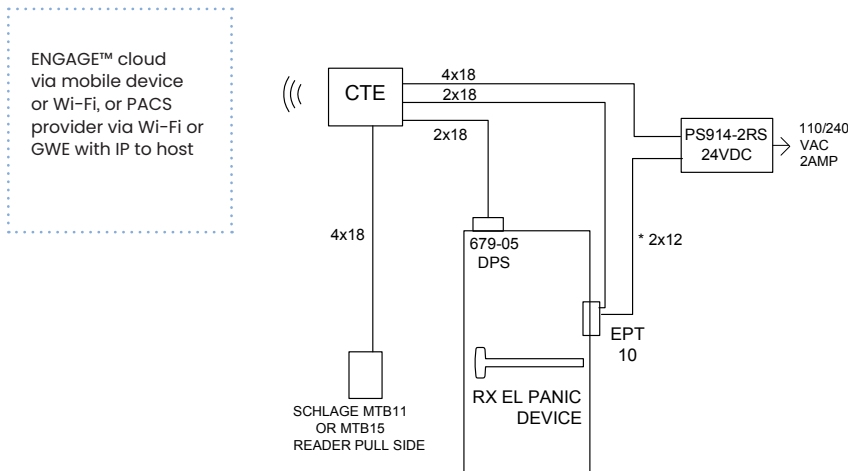SCHLAGE MTB11 OR MTB15 READER PULL SIDE

Operation:

Presenting a valid credential to Schlage MTB11 or MTB15 reader will cause fail secure 5100 electric strike to release for authorized entrance. Free egress always.

Products:

We offer a variety of electric strikes from Locknetics® and Von Duprin®, as well as Schlage Power Supplies to meet the specific needs of the opening.

Diagram 2

ENGAGE™ cloud via mobile device or Wi-Fi, or PACS provider via Wi-Fi or GWE with IP to host

CTE

4x18
2x18

2x18

PS914-2RS 24VDC → 110/240 VAC 2AMP

4x18

679-05 DPS

* 2x12

EPT 10

RX EL PANIC DEVICE
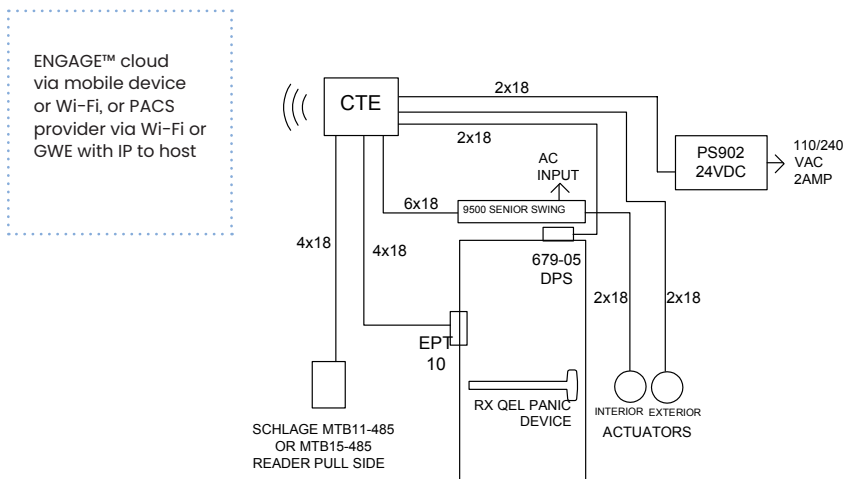
SCHLAGE MTB11 OR MTB15 READER PULL SIDE

Operation:

Presenting a valid credential to Schlage MTB11 or MTB15 reader will cause EL panic device to retract for authorized entrance. Free non-alarmed egress at all times.

Products:

We offer a variety of Falcon® and Von Duprin exit devices, and Von Duprin power supplies to meet the specific needs of the opening.

Diagram 3

ENGAGE™ cloud via mobile device or Wi-Fi, or PACS provider via Wi-Fi or GWE with IP to host

CTE

2x18

2x18

AC INPUT

PS902 24VDC → 110/240 VAC 2AMP

6x18

9500 SENIOR SWING

679-05 DPS

4x18   4x18

EPT 10

2x18   2x18

RX QEL PANIC DEVICE

INTERIOR EXTERIOR
ACTUATORS

SCHLAGE MTB11-485 OR MTB15-485 READER PULL SIDE

Operation:

Presenting a valid credential to Schlage MTB11 or MTB15 will cause QEL panic device to retract for authorized entrance and enable exterior actuator. Free non-alarmed egress at all times. Interior actuator always active to retract QEL panic and open door.

Products:

We offer a variety of hardware and accessories from Von Duprin, LCN®, Schlage, and Locknetics to meet the specific needs of the opening.

Please note all components sold separately.

Reader Requirement

The CTE Single Door Controller Kit is Available with Two Reader Options and Two Cover Options:

- **CTE-MTB11:** CTE with mobile enabled multi-technology mullion reader kit
- **CTE-MTB15:** CTE with mobile enabled multi-technology single gang reader kit
- **47317558-SCH-B: MTB11:** Standard reader cover - Black, Schlage Bluetooth logo
- **47317564-SCH-B: MTB15:** Standard reader cover - Black, Schlage Bluetooth logo
- **47744033-SCH-B: MTB11 C2:** Reader cover - Black, Schlage Bluetooth logo
- **47744034-SCH-B : MTB15 C2:** Reader cover - Black, Schlage Bluetooth logo

Notes:
- Reader color (black or cream) can be specified; black is the default
- Custom reader configuration can be specified
- Required to utilize RS-485 interface

MTB11   *MTB15*

Credential Compatibility

Mobile Enabled Multi-Technology Reader Specification	
Proximity credential compatibility	Compatibility: Schlage®, ISONAS™, HID[5], GE/CASI ProxLite®, AWID® and LenelProx® Schlage credential style formats: Clamshell, ISO card, ISO card with magnetic stripe, keyfob, thin keyfob, and PVC adhesive disc
Smart credential compatibility[1]	Secure sector compatibility: Schlage MIFARE Classic®, Schlage MIFARE Plus®, Schlage MIFARE® DESFire® with PACSA CSN only compatibility[2]: HID iClass®, Inside Contactless Pico Tag®, MIFARE Classic/Plus/DESFire, ST Microelectronics®, Texas Instruments Tag-It®, Phillips I-Code® Schlage credential style formats: Clamshell, ISO card, ISO card with magnetic stripe, keyfob, thin keyfob, wearable wristband, PVC adhesive patch
Mobile credential compatibility	Compatibility: Schlage Mobile Bluetooth® Credential[3], Integrated PACS Mobile Credential with Bluetooth[4], NFC mobile credentials in Apple Wallet® and Google Wallet™ [4]

1. No-Tour applications using smart credentials require minimum memory size of 8k bit/1K byte.
2. Configuration card required to enable CSN.
3. Supported through ENGAGE.
4. Dependent on PACS provider integrations and capabilities. Go to us.allegion.com/alliances for more information.
5. Proximity bit lengths greater than 37 not supported.

The CTE can operate in the same system as Schlage Control®, NDE and LE wireless locks.

Manage with ENGAGE™ cloud based web and mobile apps or with one of our PACS providers.

To learn more, visit allegionengage.com.

Allegion takes a broad and deep approach to ensuring the safety and security of its products. The cybersecurity program at Allegion is designed around four pillars: security and privacy by design, built on proven security practices, security updates and vulnerability management, and testing by internal and external experts.

Use the ENGAGE mobile app to commission and connect devices to your access control system of choice

Download on the App Store

ANDROID APP ON Google play