Chexit, RCM and DE5300 Overview

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Chexit Overview

- Designed for controlled egress applications
- Meets both life safety and security & NFPA 101 for "Special Locking Arrangement" and IBC "Special Egress-Control Devices“
- All control inputs, auxiliary locking, local alarm and remote signaling outputs are self-contained
- Numerous configurable options allow the device to be customized for the specific code or application requirements
- Standard Chexit device sounds an alarm and keeps the door secured for 15 seconds following an exit attempt with immediate release upon fire.
- Common applications:
  - Retail asset protection
  - Hospitals (behavioral health, maternity areas, etc…)
  - Assisted Living/ Memory Care

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Code Updates

- The IBC and NFPA 101 codes govern the use of delayed egress
- Section 1008.1.9.6- Special Locking Arrangements in Group I-2 was recently added to the IBC
- It now permits these facilities to restrict free egress on exit doors
- This section requires the following:
  - Doors must unlock upon actuation of the sprinkler system / fire detection system.
  - Doors must unlock upon loss of power controlling the lock.
  - Locks must be capable of being unlocked by a signal from the fire command center, a nursing station or other approved location.
  - Operational procedures for unlocking shall be described and approved as part of the emergency planning procedures.
  - All clinical staff shall have keys, codes or other means to operate locking devices.
  - Building must be equipped throughout with an automatic sprinkler system or an automatic smoke or heat detection system.
  - Emergency lighting must be provided at the door.
  - A building occupant must not be required to pass through more than one door equipped with this type of lock before entering an exit.
  - The first three items listed above are not required where restraint or containment is required in a mental hospital.

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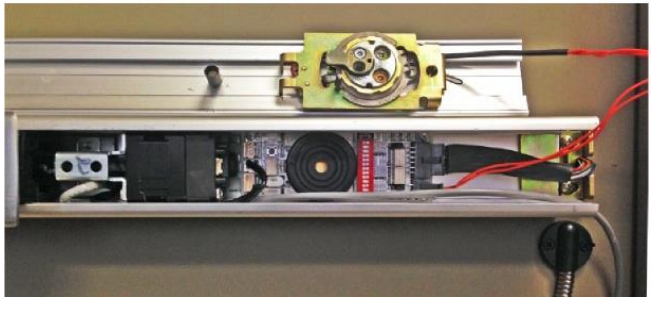
New CX Product Overview

New CX Features	Customer Benefit
Å PCB mounted on baseplate Å Removable key switch does not interfere with selecting options. Å Basic maintenance does not require removal of end cap bracket. Å Field-replaceable RX switch. (No longer requires adjustment).	Å Easier installation and maintenance
Å Motor-driven blocking actuator Å Low amperage power supply requirement	Å Energy-efficient, Quiet operation
Å Nuisance selectable delay – 0,1,2,3 seconds Å Selectable audio sound level setting – hi/low Å Selectable power up setting – armed or disarmed with alarm sound (California code)	Å Flexible, field configurable functions
Å Trim actuator/input for outside trim connection Å Selectable trim fail safe/secure setting Å Secure Status relay output Å Devices to include XP98/99 and 33A/35A verticals	Å Expanded applications/offering



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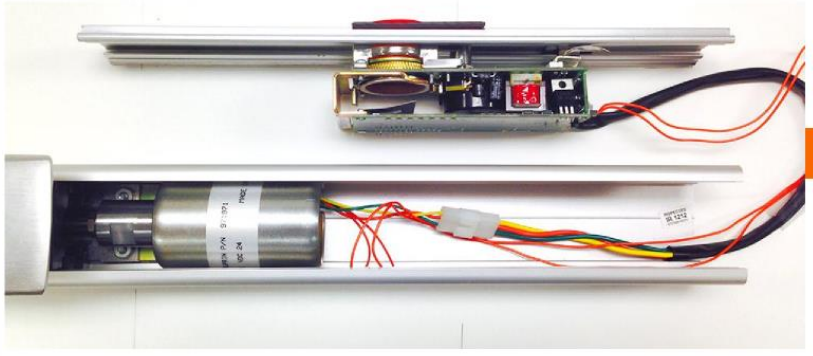
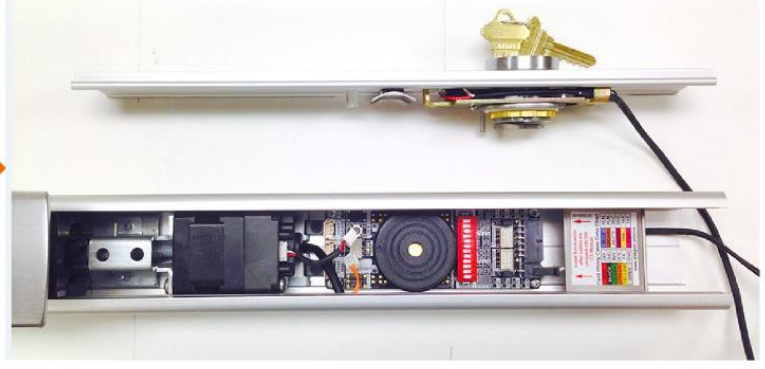
At A Glance

Current Design



New Design



New PS Information

Power supply	Maximum number of devices
PS902	1 Chexit device
PS904	3 Chexit devices
PS906	4 Chexit devices
PS914	4 Chexit devices

Consult installation instructions for proper wire gauge and wire run requirements. When powering multiple components, verify that the amperage requirements of all components combined does not exceed the power supply output rating,

New Specification

Specifications / Power supply requirements
Input voltage – 24VDC
Input current inrush – 1.25A
Input current holding – 390mA
Alarm relay and Secure relay contact ratings – 24VDC, 1A
Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.

Easy of installation & maintenance, Energy efficient & Quiet, Field configurable, Expanded options

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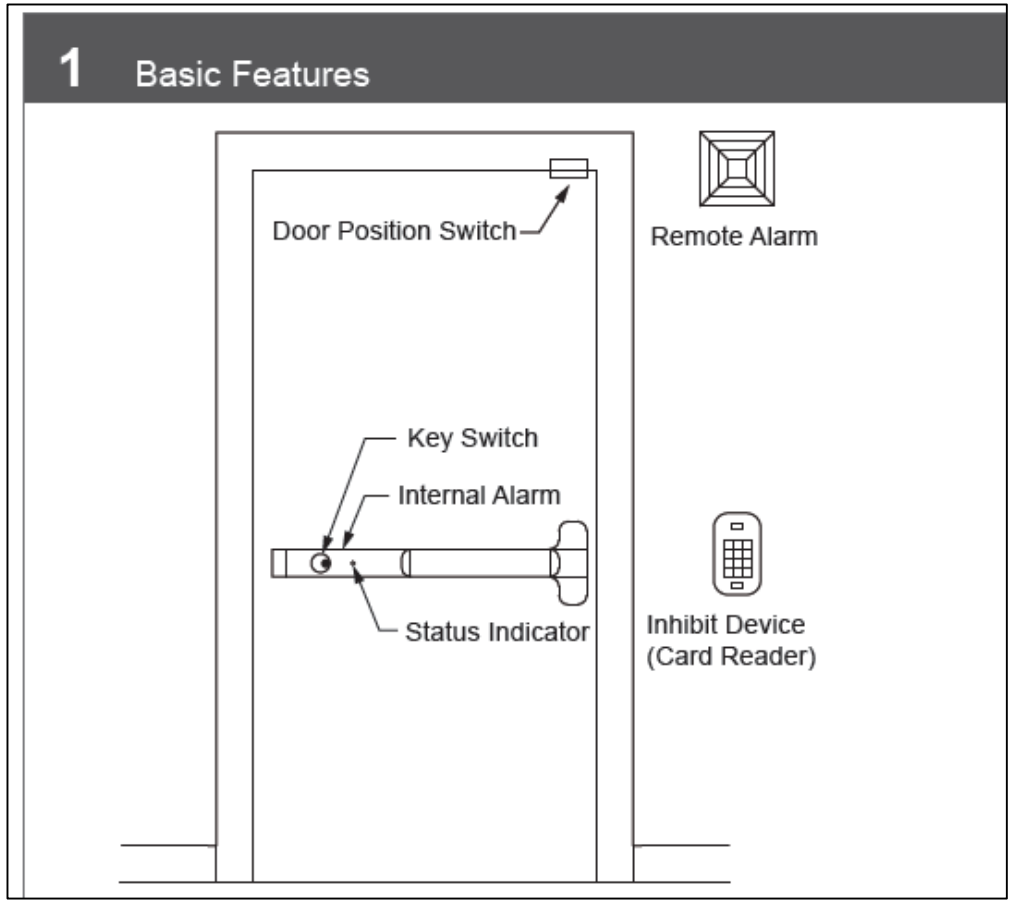
Easier Installation & Maintenance

- PCB mounted on baseplate
- Removable key switch does not interfere with selecting options.
- Basic maintenance does not require removal of end cap bracket.
- Field-replaceable RX switch. (No longer requires adjustment).



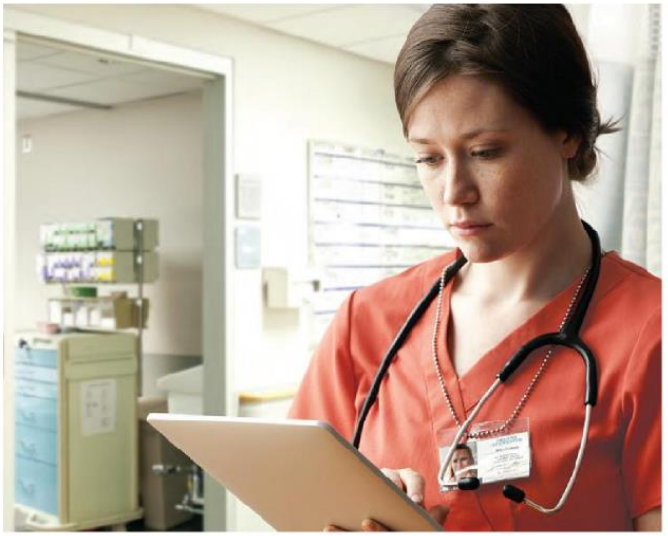
Energy Efficient, Quiet Operation

- Energy Efficient
  - Power supply information for CX devices with motor drive assemblies

Power supply	Maximum number of devices
PS902	1 Chexit device
PS904	3 Chexit devices
PS906	4 Chexit devices
PS914	4 Chexit devices

Consult installation instructions for proper wire gauge and wire run requirements. When powering multiple components, verify that the amperage requirements of all components combined does not exceed the power supply output rating,

- Quiet performance for applications where minimal operations noise is required



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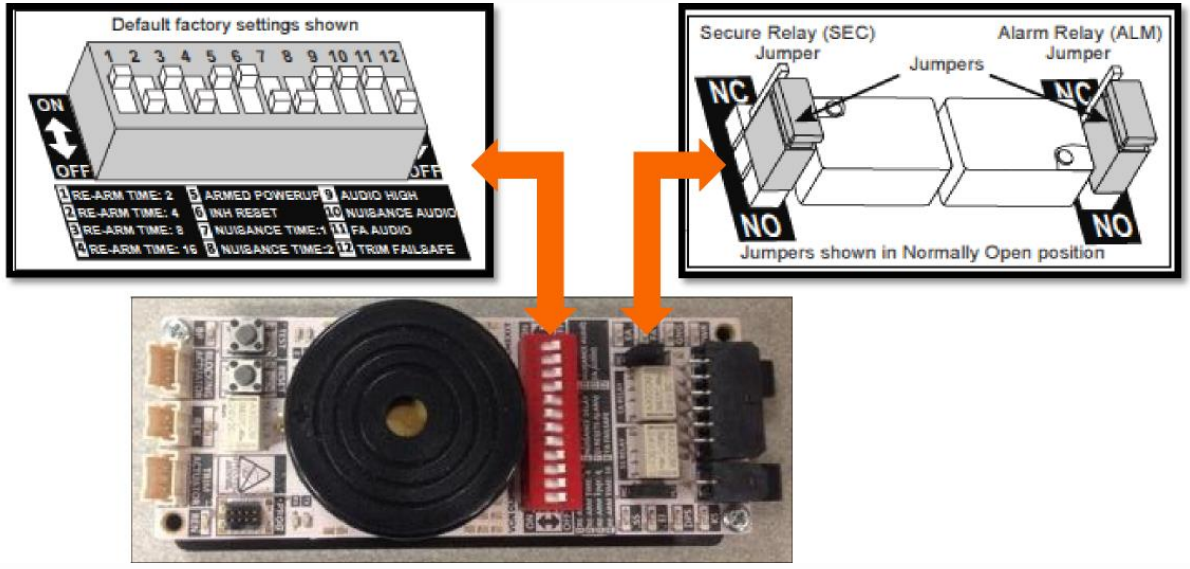
Flexible, Field Configurable

Onboard Switch Settings		Description	Default
1 - 4	Rearm Delay	Selectable from 0 - 30 sec with 2 sec increments, 30 sec (infinite)	10 sec
5	Armed Power-Up Setting	Selectable - ON (Armed power up) / OFF (Disarmed power up)	ON
6	Alarm (INH) Reset	ON (Key switch only) OFF (Key switch or inhibit)	ON
7 - 8	Nuisance Delay	Selectable - 0,1,2,3 sec	0
9	Internal Horn Audio	Selectable ON (high) / OFF (low)	ON (high)
10	Nuisance Audio	Selectable ON/OFF	ON
11	Fire Alarm Audio	Selectable ON/OFF	ON
12	E-Trim Setting	Selectable ON (FS) / OFF (FSE)	OFF (FSE)

Features	
Release Delay	Standard 15 sec
Audio	Solid - release alarm Fast pulse - tamper alarm Slow pulse - disamed power up alarm
Status Relays	Alarm status Secure status Selectable NO or NC
Diagnostics	LED's for field wiring diagnostics, relays, REX/REN, key switch



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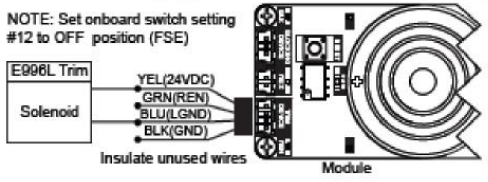
Expanded Offering

- CX option now offered on XP98/99 and 33/35A vertical devices
- Trim actuator/input for outside trim connection
- Selectable trim fail safe/secure setting
- Secure Status relay output

5 Typical Wiring Diagram for Electric Trim Function

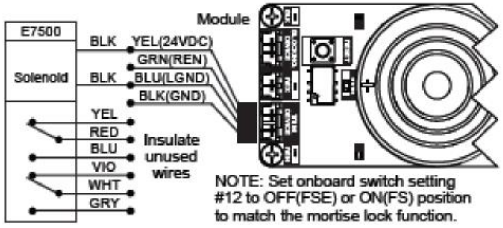
This section describes the option of adding an electrical trim function to the Chexit installation.

5a Controlled entry application (E996L Trim – FSE shown)



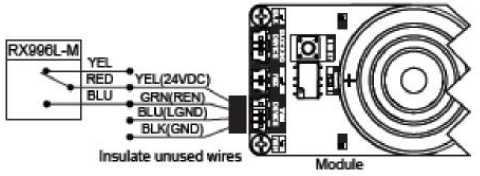
Access control to the CX (not shown) inhibits the CX and unlocks the outside FSE (Fail Secure) trim to allow entry. For access control wiring, see previous wiring diagrams.

5b Controlled entry application (E7500 Mortise Lock)



Access control to the CX (not shown) inhibits the CX and unlocks the E7500 mortise lock to allow entry. The E7500 can be either FS (Fail Safe) or FSE (Fail Secure). For access control wiring, see previous wiring diagrams.

5c Free entry application (RX996L-M + 98/99 Mortise device)



RX trim is not locked and allows entry at all times. The trim inhibits the CX using the REN function during entry. This application is only used on a CX9975 mortise device.

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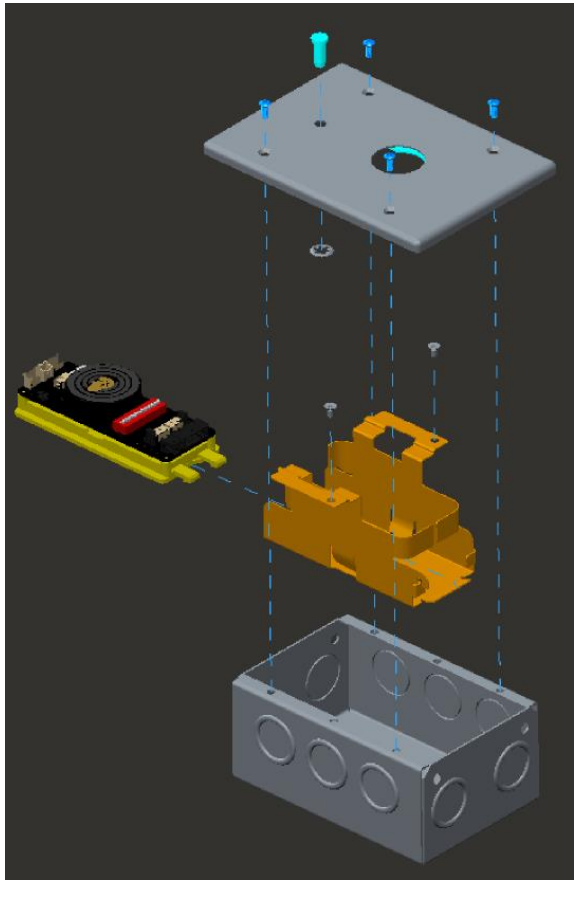
RCM and DE5300

- RCM Remote Chexit Module includes same features and functions of standard Chexit in a control box for remote locations

Specifications
Size – 3.75" x 5.57" x 2.50"
Input voltage – 24VDC
Input current inrush – 1.25A
Input current holding – 390mA
Alarm relay and Secure relay contact ratings – 24VDC, 1A
Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.

- DE5300 Delayed Egress system is used in conjunction with a magnetic lock and contains all control units auxiliary locking, local alarm and remote signaling outputs

Specifications
Size - 3.75" x 5.57" x 2.50"
Input voltage – 24VDC
Input current – 1A
Alarm relay and Secure relay contact ratings – 24VDC, 1A
Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.



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Factory Transition

- Orders received on or before 8/14 will be sent the current CX product
- Orders received on or after 8/17 will be sent the new CX product
- Shipments of the new 98/99 & 33/35A CX, DE5300, RCM will begin on 8/24
- Newly added CX option on XP98/99 and 33/35A vertical devices will be available in late Q3
  - Nomenclature will remain the same with the exception of the DE5300 that will replace the DE5101
  - Pricing will remain the same until the Q4 regularly scheduled price book update
- Service parts for the current CX product will be available for 18-24 mo.
  - When ordering service parts for the CX make sure that you are ordering for the correct version of the device