EAX-2500 Operations and Wiring

The device has two different functions

door closes. If the door is closed and armed, when the door is opened the alarm sounds \* Default - Extended Bypass - If the unit is turned on and the door is open after the arming delay, the alarm will arm when the

Timed Bypass - If the unit is turned on and the door is left open after the arming delay, the alarm will sound. If the door is closed and armed, when the door is opened the alarm sounds.

#### Key Operations

There is a slight delay when rotating the key.

The Detex exit alarm has a positive stop in both directions of the cylinder key rotation (8 o'clock to 2 o'clock) The key removal/insertion position is 12 o'clock.

On position

resistance to 8 o'clock, you may hear and feel a click. This is the on position. Turn the key back to the 12 o'clock position and remove key. NOTE: With keystop installed the on position is 12 o'clock; when the key is removed the device is turned on. Insert the key and turn the key counterclockwise(CCW) to 8 o'clock. Resistance will occur at 9 o'clock, turn key through the

NOTE: With keystop installed the key cannot be removed in the off position. Insert the key and turn the key clockwise(CW) to 2 o'clock. Turn the key back to the 12 o'clock position and remove key.

# Operations Arming/Disarming (Real Time Switching-power does not need to be reset)

Close the door and secure the tamper screw, turn the key CCW. The red LED will blink twice then the green LED will be on solid three times to indicate the unit is armed. When the door opens, the alarm will sound. Turn the key CW to turn the alarm off. for the arming delay time (default 15 seconds). After arming delay time, the green LED will turn off and the unit will beep

### Slide Switches:

## Status Indicator

\*Default Status Indicator off - the LEDs will not blink to indicate armed/disarmed

Status Indicator on - a LED will blink every 3 seconds to indicate armed/disarmed state

Red=armed Green=disarmed

# Auto Rearm (AUTO REARM)

\*Default Auto Rearm off - the unit will be in extended bypass and the unit requires a key to reset the alarm condition Auto Rearm on - the unit will be in timed bypass and when in alarm, the unit will rearm in 2 minutes after the door is secured

# Disable Low Battery (Dis Lo Bat)

replaced \*Default Disable Low Battery off - the unit will give a low battery signal every 45 seconds when the battery is low and needs to be

Disable Low Battery on - the unit will not give a low battery signal when the battery is low or when a battery is not used

## Extra wiring features

Remote bypass input - Terminals 3&4 can be wired to a dry open switch to allow authorized door access without alarm activation <u>Call bell input</u> - Terminals 7&8 can be wired to a dry open switch to activate the alarm for 3 seconds. Door bell feature

Alarm Relay Output - Terminals 10, 11 & 12 can be wired to a dry contact input, the relay is triggered when the alarm sounds.

Descrip	ninal ock	Termina Block	
	Wiring		
	*As shipped from DETEX	*As sl	

	Wiring	
Terminal Block		Description
1	Power (AC or DC+)	12-241/
2	Power (AC or DC-)	V T 7 1
3	Remote Bypass (Open Contact)	Close to
4	Remote Bypass (Common)	Activate
5	Magnetic Door Switch (Closed Contact, Door Secure)	Open to
6	Magnetic Door Switch (Common)	Activate
7	Call Bell	Close to
8	Call Bell	Activate
9	Not used	
10	Remote Signal (Common)	Alarm Relay Contacts Contacts rated
11	Remote Signal (Open)	at 1.0A @ 30VDC or 0.5A @ 125VAC
12	Remote Signal (Closed)	(

STATUS INDICATOR  Terminal Block and Selector Switches	ON OFF Status indication active. Device is in Extended Bypass Mode.	ON Status indication active. Device is in Timed Bypass Mode.	OFF ON No status indication. Device is in Timed Bypass Mode	*OFF *OFF No Status indication. Device is in Extended Bypass Mode	Status Auto Selector Switch Modes
TOR	e is in Extended Bypass Mode.	e is in Timed Bypass Mode.	in Timed Bypass Mode.	in Extended Bypass Mode.	Modes

is not used. Red and Green LED's flash and siren chirps twice, after approximately 5 seconds release the Call Bell or remove jumper and install unit per instructions. door/ door contacts. Turn key fully CW to disarm the unit. Hold the Call Bell button (terminals 7&8) closed and apply power. Use a jumper wire if the Call Bell feature Activate/De-activate Silent Arming (No 3-Beeps): Remove all power and open the

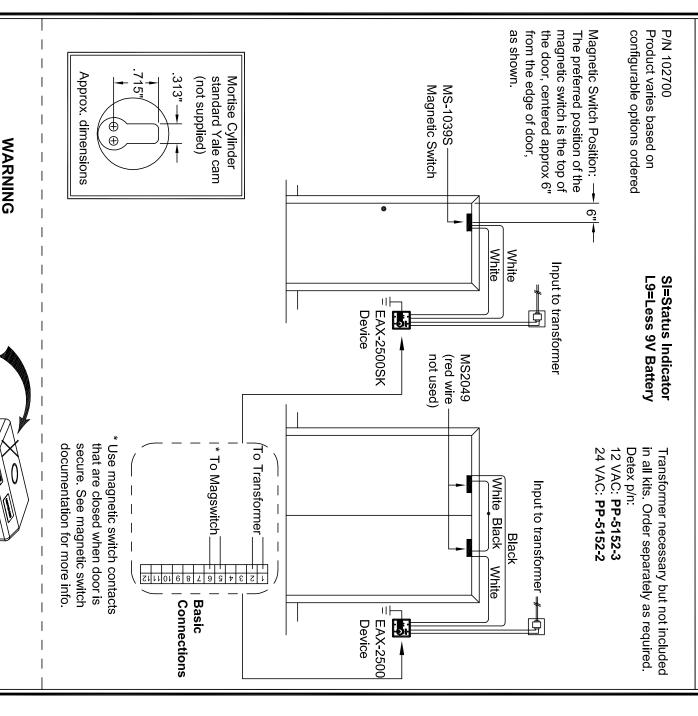


Ins No: 101322

101322 December 6, 2013

Detex Corporation, 302 Detex Drive, New Braunfels, Texas 78130-3045 (830)629-2900 / 1-800-729-3839 / Fax (830)620-6711 E-MAIL: detex@detex.com INTERNET: www.detex.com

# INSTALLATION INSTRUCT **IONS FOR EAX-2500 EXIT ALARM**



DE. EX 101322 operation of the tamper lever

top left corner of the back box. Do not bring the conduit into the

This can interfere with the norma

- Supplied ground strap MUST be connected from back box.
   Back box MUST be grounded per National Electrical Code requirements.
   Ground strap MUST be as short as possible.

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(Key stop included in hardware kit) If NO keystop, skip to step 4

KEY STOP installation, if required:

Hardware Kit

**4** |Re-ir

nstall cam assembly:

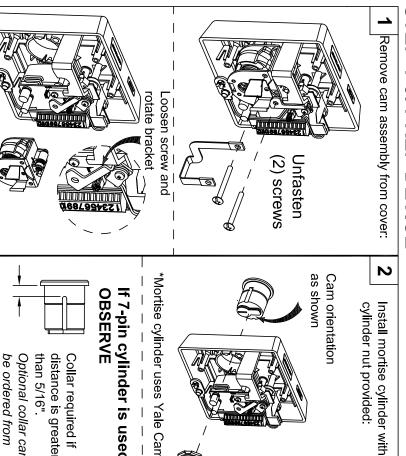
S

Install 9-volt battery:

Ins No: 101322

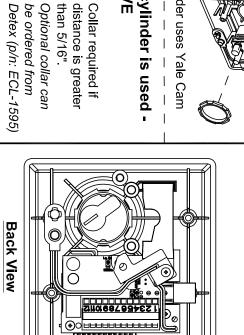
- 4. Units are shipped with ground strap installed.

# STEP 1-5: PREP DEVICE



as shown Cam orientation

\*Mortise cylinder uses Yale Cam **OBSERVE** If 7-pin cylinder is used -



KS shown (II) 0 KS used

Rotate key to this position

<u>×i</u> th style cam standard Yale

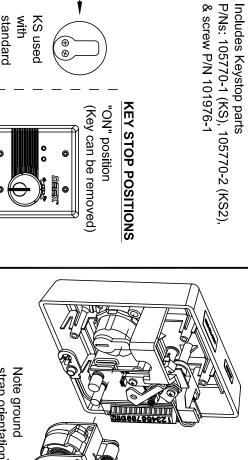
cam assembly reinstalling before

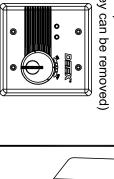
"OFF" position

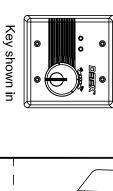
"ON" position KEY STOP POSITIONS & screw P/N 101976-1

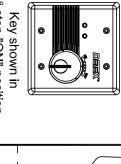
strap Ground

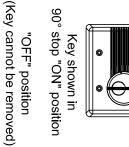
(Key can be removed)

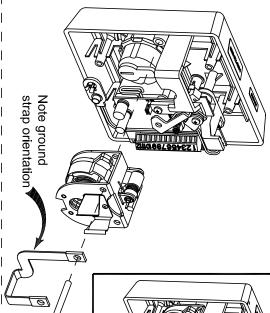


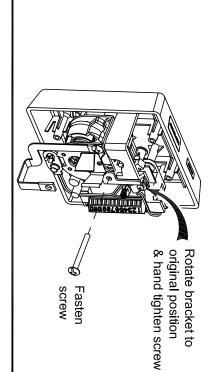


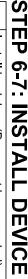












Remove Cam Assembly

be ordered from

KS2 shown

sma Adams Rite

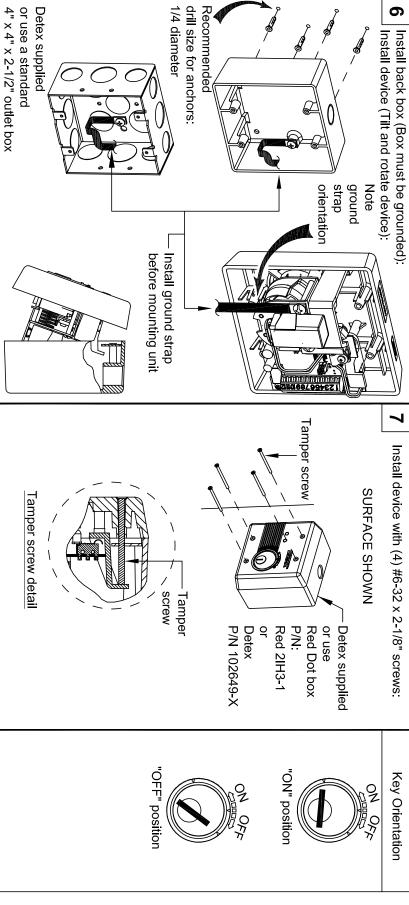
style cam

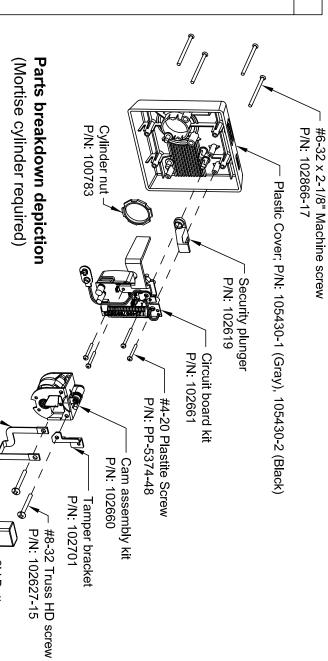
Key shown in "OFF" position

**®** 

⟨S2 used

than 5/16".





ee back page for Operations and Wiring

P/N: 104448 Ground strap

P/N: PP-5567 9V Battery

(or equivalent)

P/N: 103779 Cylinder nut socket OPTIONAL: