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Should you have any Question/Problem with your Detex device please call Detex Technical Support from the job site at 1-800-729-3839 and choose option 2 on our menu. Please do not return the product to the distributor.

For WARRANTY information, scan code below or go to www.detex.com/warranty

For device installation videos, scan code below or go to www.detex.com/videos

Owner's Copy
Mortise Cylinder standard Yale cam (not supplied)

Approx. dimensions

<table>
<thead>
<tr>
<th>Item</th>
<th>Order Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>105430-1</td>
<td>Cover, gray</td>
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<tr>
<td></td>
<td>105430-2</td>
<td>Cover, black</td>
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<tr>
<td>2</td>
<td>102619</td>
<td>Plunger, security</td>
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<tr>
<td>3</td>
<td>102661</td>
<td>Circuit board kit</td>
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<tr>
<td>4</td>
<td>102660</td>
<td>Cam assembly kit</td>
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<td>5</td>
<td>102701</td>
<td>Tamper bracket</td>
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<td>6</td>
<td>PP-5567</td>
<td>9 Volt battery</td>
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<td>7</td>
<td>104448</td>
<td>Ground strap</td>
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<tr>
<td>8</td>
<td>102631</td>
<td>Guard, IKC switch</td>
</tr>
<tr>
<td>9</td>
<td>100783</td>
<td>Cylinder nut</td>
</tr>
<tr>
<td>10</td>
<td>102649-1</td>
<td>Backbox, gray</td>
</tr>
<tr>
<td></td>
<td>102649-2</td>
<td>Backbox, black</td>
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<tr>
<td>11</td>
<td>102629</td>
<td>Box, outlet, double gang</td>
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<tr>
<td>12</td>
<td>103779</td>
<td>Cylinder nut socket (optional)</td>
</tr>
</tbody>
</table>

Your particular part or configuration may not be shown:
Contact Detex technical support at 800-729-3839 (option 2)
HARDWARE LIST

<table>
<thead>
<tr>
<th>P/N: 102866-17</th>
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<tbody>
<tr>
<td>6-32 x 2-1/8&quot; PFH</td>
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<table>
<thead>
<tr>
<th>P/N: 102642-3</th>
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<tbody>
<tr>
<td>1/4&quot; x 1-3/16&quot; ANCHOR</td>
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</table>

<table>
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<tr>
<th>P/N: 103276-41</th>
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<tr>
<td>#10 x 1&quot; PPH SELF DRILLING</td>
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</table>

<table>
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<th>P/N: PP-5183-68</th>
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<tbody>
<tr>
<td>#10 x 1&quot; PPH</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>P/N: 101976-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>#4 x 3/8&quot; PFH</td>
</tr>
</tbody>
</table>

**Si=Status Indicator**

**L9=Less 9V Battery**

Magnetic Switch Position:
The preferred position of the magnetic switch is the top of the door, centered approx 6" from the edge of door, as shown.

Input to transformer

MS-1039S
Magnetic Switch

**WARNING**
Do not bring the conduit into the top left corner of the back box. This can interfere with the normal operation of the tamper lever function.

* Use magnetic switch contacts that are closed when door is secure. See magnetic switch documentation for more info.

Transformer necessary but not included in all kits. Order separately as required.
Detex p/n: 12 VAC: PP-5152-3
24 VAC: PP-5152-2
STEP 1-5: PREP DEVICE

1. Supplied ground strap MUST be connected from back box.
2. Back box MUST be grounded per National Electrical Code requirements.
3. Ground strap MUST be as short as possible.
4. Units are shipped with ground strap installed.

1. Remove cam assembly from cover:
   - Unfasten (2) screws
   - Loosen screw and rotate bracket
   - Remove Cam Assembly

2. Install mortise cylinder with cylinder nut provided:
   * Mortise cylinder uses Yale Cam
   - Orient cam as shown
   - Collar required if distance is greater than 5/16".
   - Optional collar can be ordered from Detex (p/n: ECL-1595)

3. KEY STOP installation, if required:
   (Key stop parts included in hardware kit)
   - If NO keystop, skip to step 4
   - P/N: 101976-1 #4 x 3/8" PFH
   - Ground strap
   - Rotate key to this position before reinstalling cam assembly

   KS shown
   105770-1
   KS (p/n 105770-1) used with standard Yale style cam

   KS2 shown
   105770-2
   KS2 (p/n 105770-2) used with Adams Rite small style cam

   KEY STOP POSITIONS
   - "ON" position (Key can be removed)
   - "OFF" position (Key cannot be removed)
4. Re-install cam assembly:

Note ground strap orientation.

5. Install 9-volt battery:

Rotate bracket to original position & hand tighten screw.

Fasten screw.

6. Install back box at desired location (Box must be grounded):

Detex supplied (p/n 102649-1) or use Red Dot box p/n Red 2H3-1

Recommended drill size for anchors: 1/4 diameter

OR

Detex supplied (p/n 102629) or use a standard 4” x 4” x 2-1/2” outlet box

Install ground strap at both ends before mounting unit.

7. Install device to back box (Device must be grounded):

Note ground strap orientation

(or installer option depending on base material)

Install device:

Tilt and rotate device

Tamper screw

Tamper screw detail

Key Orientation

"ON" position

"OFF" position

(for KEY STOP option positions, see previous page)
EAX-2500 Operations and Wiring

The device has two different functions:

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

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
Insert the key and turn the key counterclockwise (CCW) to 8 o'clock. Resistance will occur at 9 o'clock, turn key through the 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.

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.
NOTE: With keystop installed the key cannot be removed in the off position.

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 for the arming delay time (default 15 seconds). After arming delay time, the green LED will turn off and the unit will beep 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.

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 bypass and when in alarm, the unit will rearm in 2 minutes after the door is secured.

Disable Low Battery (Dis Lo Bat)
*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 replaced.
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.
Call bell input - 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.

<table>
<thead>
<tr>
<th>Terminal Block</th>
<th>Wiring</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Power (AC or DC+)</td>
<td>12-24V</td>
</tr>
<tr>
<td>2</td>
<td>Power (AC or DC-)</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Remote Bypass (Open Contact)</td>
<td>Close to Activate</td>
</tr>
<tr>
<td>4</td>
<td>Remote Bypass (Common)</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Magnetic Door Switch (Closed Contact, Door Secure)</td>
<td>Open to Activate</td>
</tr>
<tr>
<td>6</td>
<td>Magnetic Door Switch (Common)</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Call Bell</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Call Bell</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Not used</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Remote Signal (Common)</td>
<td>Alarm Relay Contacts rated at 1.0A @ 30VDC</td>
</tr>
<tr>
<td>11</td>
<td>Remote Signal (Open)</td>
<td>or 0.5A @ 125VAC</td>
</tr>
<tr>
<td>12</td>
<td>Remote Signal (Closed)</td>
<td></td>
</tr>
</tbody>
</table>

*As shipped from DETEX

Activate/De-activate Silent Arming (No 3-Bleeps): Remove all power and open the 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 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.

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