

# CM-30EE & CM30EE/LED

## Exit Switch & Integrated Timer (Ver. 2)

### INSTALLATION INSTRUCTIONS

#### 1. GENERAL DESCRIPTION

Camden models CM-30EE/LED are illuminated Exit switches incorporating a 30 second timer. The stainless steel faceplate is designed to mount into a 2 1/2" deep single gang electrical box, included.

The large 2" translucent button is easy to push. CM-30EE model is supplied with a 12V DC long-life LED light bulb, which is accessed through the front or rear of the switch. If the unit is powered 24VDC, the supplied in-line resistor must not be removed.

This switch has been designed specifically to release a magnetic lock from the inside, as per the BOCA code. When the button is pushed and released, the lock will release for 30 seconds. Re-trigger is possible at any time.

The "double break" circuitry has been designed so that even if the timer fails, depressing the switch will interrupt power to the magnetic lock.

#### 2. SPECIFICATIONS

Lens Color	Green Lens
Legend	Push to Exit
Mounting	2 x #6-32 machine or tamper screws supplied
Operating Voltage	12/24 VDC
Time Delay	30 seconds
Contact Rating	10 Amps @ 30 VDC
LED Bulb Life	20,000 hrs. @ rated capacity
Size	4-1/2" H x 2-3/4" W x 2-1/2" D 114.3mm x 69.9mm x 63.5mm
Attack Level	Level 1: No Attack Level
For Indoor Use Only	

#### 3. INSTALLATION

##### Mounting

The unit is completely pre-wired for easy installation. Connect the appropriate wire to your devices as per the enclosed wiring diagram. Tuck wiring into box (retrofit box included), and fasten switch plate using standard or tamper screws provided.

##### Wiring

Six color coded leads are provided. This unit will operate on 12 or 24 VDC, with no jumper change required. For convenience it may be powered by the same power that supplies the magnetic lock. The two pairs of **Red & Black** wires connect to 12 or 24 VDC. One pair supplies power to the timer, and the other pair powers the light.

The internal timer and the push button are connected in series with the **Green & White** wires. This is how the "double break" feature works. *Therefore, the unit must be wired as shown.*

The **Green** wire goes to the positive input wire of the magnetic lock, and the **White** wire goes to a source of + Voltage. Please refer to the enclosed wiring diagram for typical hook-up.

##### Important

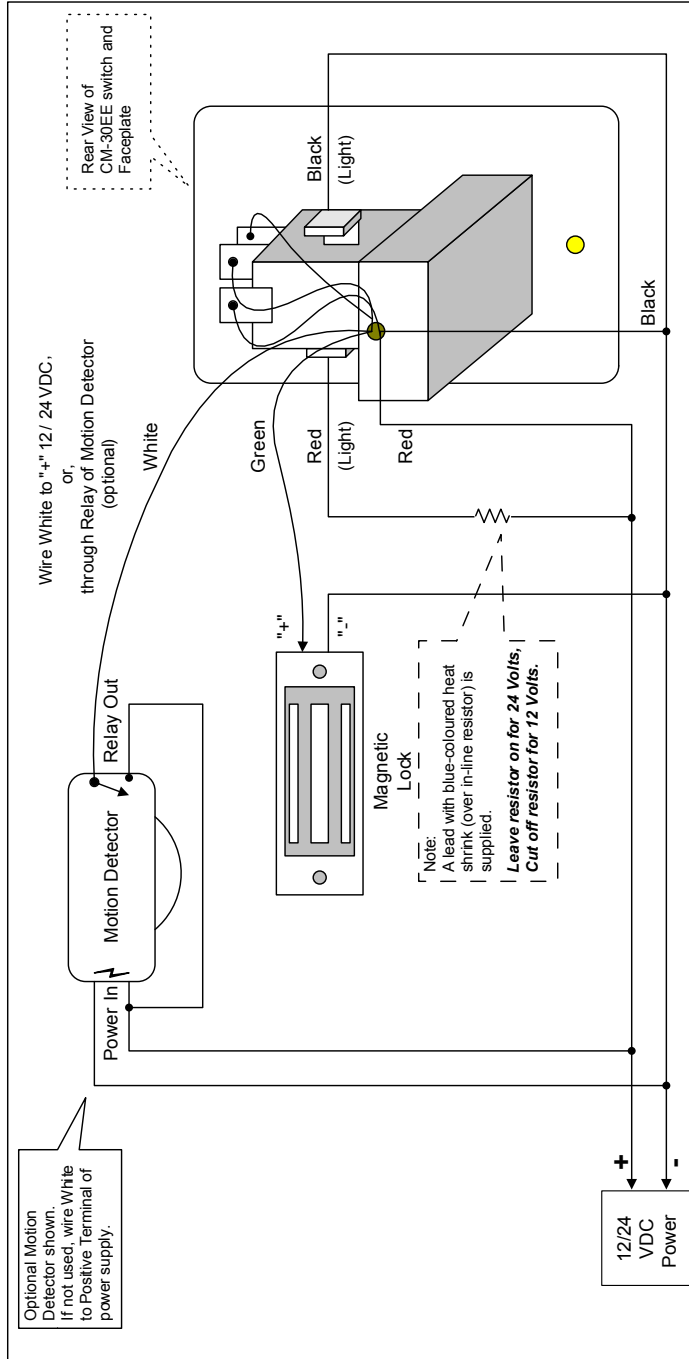
CM-30EE models have a connected lead wire with blue-colored heat shrink (over an in-line resistor).

If powered 24V; Do not remove in-line resistor.

If powered 12V; Cut (remove) in-line resistor.

#### 4. WARRANTY

Camden Door Controls Inc. warrants this product to be free from defects for 3 years from date of manufacturing. Visit our web site at [www.camdencontrols.com](http://www.camdencontrols.com) to see our complete warranty policy, including limitations and the procedures for product returns.



NOTES:

- Access to light bulb is obtained by first removing Cherry switch from two plastic retaining pins. Then squeeze white retainor assembly between finger and thumb, and gently rock back and forth while pulling free of black threaded portion. Then simply pull out light bulb to replace.
- Re-installation is reverse of above sequence.
- The products are intended to be installed in accordance with the installation wiring diagram, mechanical assembly drawings provided with each product, the local authority having jurisdiction (AHJ) and the National Electric Code, NFPA 70.

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SCALE NONE:	DRAWN BY: DGW	DATE: 02/28/03	REVISED: 03/19/08
<b>CM-30EE Egress Switch Wiring Diagram (Ver 2.0)</b>			
DRAWING No: DRGCM-30EE-022803		FILENAME: CM-30EE Diagram.vsd	