



5151 Everest Dr., Unit #6, Mississauga, ON N0B1T0
Telephone: 905-366-3377 Fax: 905-366-3378
Toll-Free: 1-877-226-3369
Web: www.camdencontrols.com

CM 30 EE

Exit Switch & Integrated Timer

(Ver 2.0)

Installation Instructions

MADE IN CANADA

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Section 1 General Description

Camden model CM-30EE is an illuminated Exit switch incorporating a 30 second timer. The stainless steel faceplate is designed to mount into a 2 ½" deep single gang electrical box (included).

The large 2" square translucent button is easy to push. Should illumination be desired, wiring for the 12 – 28 VDC light bulb is included. (The bulb is accessed through the front or rear).

This unit 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.

Section 2 Installation

Mounting

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

Wiring

Six colour 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.

Both 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

Section 3 Technical Data

Model	CM-30EE
Lens Colour	Green lens
Legend	Push to Exit
Size	4.5"h x 2.75"w x 2.5"d
Mounting	2 x #6-32 machine screws
Operating voltage	12 / 24 Volts DC
Time Delay	30 seconds
Contact Rating	4 amps @ 30 VDC
Electrical Life	100,000 @ rated capacity

Section 4 Warranty

Camden Door Controls Inc. guarantees the CM-30EE to be free from manufacturing defects for 3 years from date of sale. If during the first 3 years the CM-30EE fails to perform correctly, it may be returned to our factory where it will be repaired or replaced (at our discretion) without charge. Except as stated herein, Camden extends no warranties expressed or implied regarding function, performance or service.

Questions?

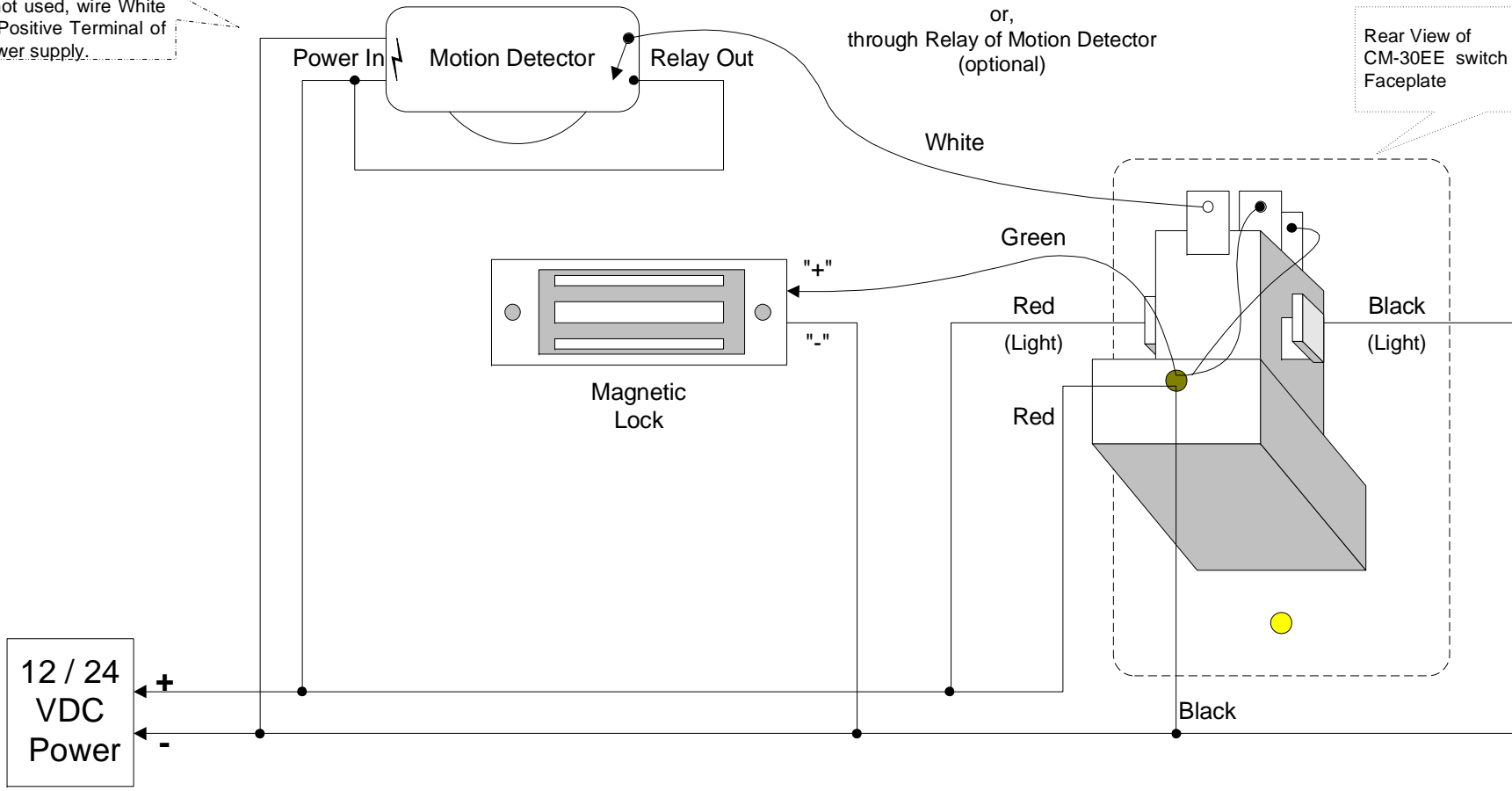
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Optional Motion Detector shown. If not used, wire White to Positive Terminal of power supply.

Wire White to "+" 12 / 24 VDC, or, through Relay of Motion Detector (optional)

Rear View of CM-30EE switch and Faceplate



NOTES:

1. 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.
2. Re-installation is reverse of above sequence.

		Camden Door Controls		5151 Everest Dr. Unit 6 Mississauga, Ontario L4W 2Z3	
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CM-30EE Egress Switch Wiring Diagram (Ver 2.0)					
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