CM-8000 & CM-8100 Series Push Buttons

INSTALLATION INSTRUCTIONS

CM-8000

THIS PACKAGE INCLUDES:

(1) 1" (25mm) diameter red or green Push button.

(1) Single Gang Die-cast Aluminum Faceplate.

(1) Normally open and/or Normally closed Contact block.

(1) Parts Kit

1. GENERAL DESCRIPTION

Camden Door Controls 8000 Series low profile exit switches are vandal resistant; designed and manufactured to meet the stringent demands of exit controls. They are supplied with a 1/4" thick heavy duty brushed aluminum plate, in 1 3/4"(44mm) or 2 3/4"(70mm) widths. Optional duranodic (US 40) finish is also available.

CM-8000 Series Extended Buttons are unobtrusive, yet easy to activate the button extends from the metal housing to provide visibility and allow for quick and easy activation. The low-profile design protrudes less than 1" from the wall.

The switches are UL/CSA approved, rated at 10 amps. The design of the Camden Exit Button is modular, so contacts can be stacked to control up to six distinct functions simultaneously.

2. SPECIFICATIONS

Voltage	12/24 VDC
Contact Rating	6A @ 30 VDC
Temperature Range	-13°F to 158°F (-25°C to 75°C)
Timer Life:	100,000 cycles
Switch Type	Momentary
Standard Finish	Brushed Aluminum
Dimensions	**CM-8000:** 4 ½" H x 2 ¾" W x 1 ½" D (114mm X 70mm x 38mm) **CM-8100:** 4 ½" H x 1 ¾" W x 1 ½" D (114mm X 44mm x 38mm)

3. APPLICATION

The CM-8000 Series Exit Switches are ideal for high traffic areas, such as store and building front entrances, and exits. They can be surface, flush, or mullion (narrow) mounted.

Camden Exit Switches are designed to control overhead doors, electric locks, electro-magnetic locks, electric strikes, automatic doors, and handicap operators. They may also be used for motor control, shunting, bypassing alarms, request to exit, timed functions, and many other applications. The switches are made for high frequency usage, in an indoor or outdoor environment. Camden Exit Switches are versatile, and are supplied in various configurations to suit commercial, industrial, and residential applications.

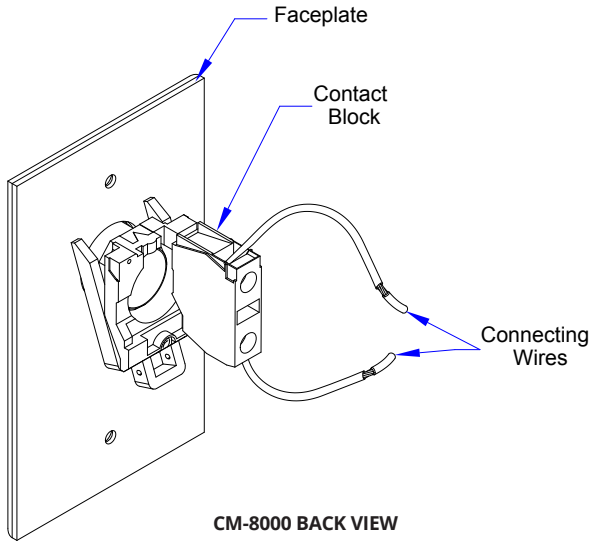
4. INSTALLATION

The CM-8000 series contact block is a SPST (Single Pole Single Throw). It can be ordered with either a Normally Open or Normally Closed contact block. Each contact block is color coded. A contact block with a green actuator is Normally Open, where the red actuator is Normally Closed. Both types are available in a Momentary configuration.

The CM-8000 series comes with one contact block but can easily have three attached across the back of the button. If the application calls for more than three functions to happen on activation, then each contact block can be stacked with another doubling the number of functions on activation.

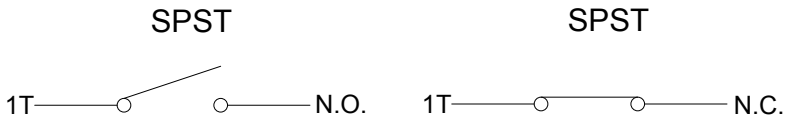
Installation is very simple by inserting the wiring into the top and the bottom of the contact block and securing them with the two screw terminals.

Each contact block has its screw terminals numbered so that the provided diagrams can be followed with ease and clarity. The CM-8000 Series are supplied with a 1-3/4" brushed aluminum faceplate for door jamb mounting and can be easily be mounted to a single gang electrical box.



CM-8000 BACK VIEW

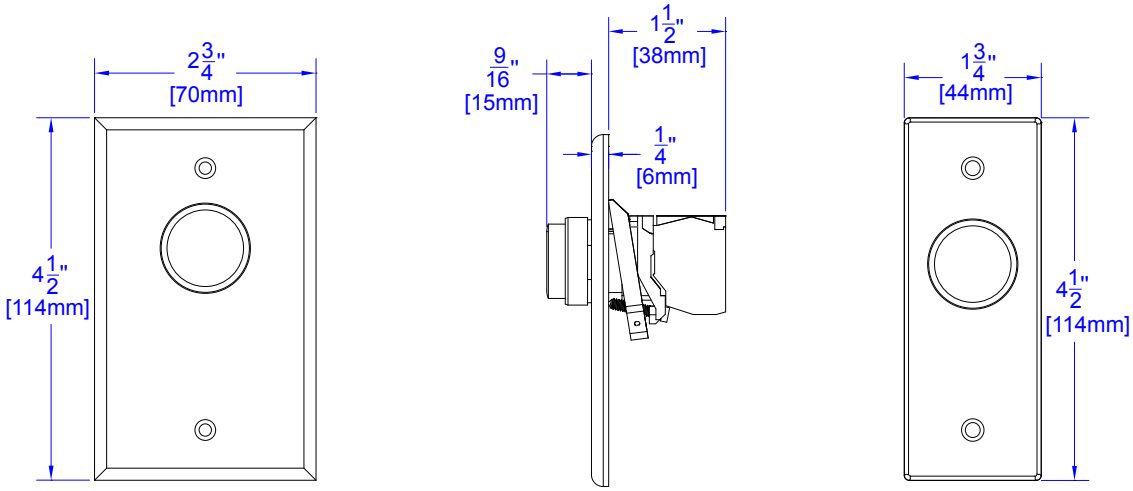
5. WIRING



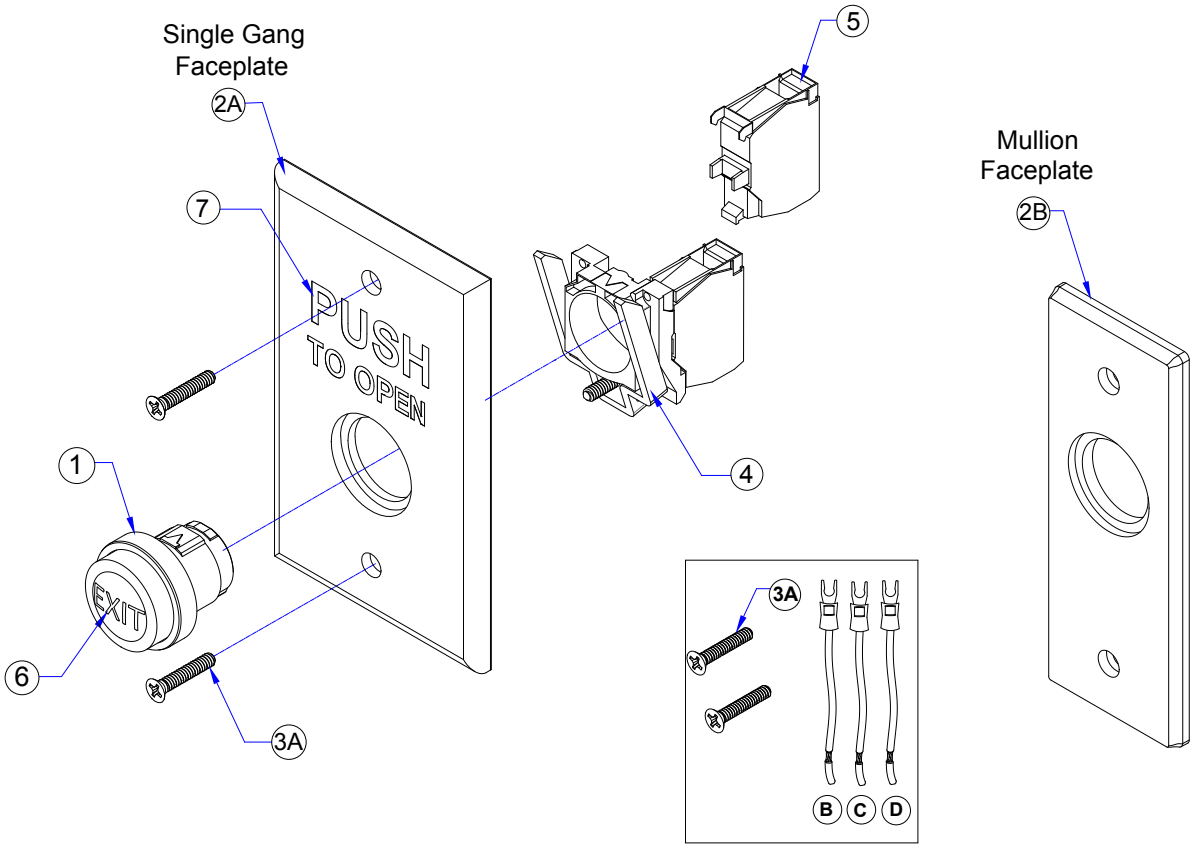
Momentary: When the switch is pressed the current pole will change to the opposite state until released.

Maintained: When the switch is pressed it will provide the opposite pole until the button is pressed again

6. CM-8000 AND CM-8100 SERIES FRONT AND SIDE VIEW



7. PARTS INFORMATION



ORDERING INFORMATION FOR REPLACEMENT PARTS

ITEM NUMBER	PART NUMBER		DESCRIPTION
1	60-66A019		RED MOMENTARY PUSH BUTTON (DIA. 1")
	60-66A020		GREEN MOMENTARY PUSH BUTTON (DIA. 1")
2	A	60-41A003	DIE-CAST ALUMINUM SINGLE GANG FACE PLATE 4 1/2"H x 2 3/4"W x 1/4"D (114mm x 70mm x 6mm)
	B	60-41A004	DIE-CAST ALUMINUM MULLION FACE PLATE 4 1/2"H x 1 3/4"W x 1/4"D (114mm x 44mm x 6mm)

PARTS KIT

ITEM NUMBER	PART NUMBER	DESCRIPTION
3.	**FOR N-C & N-O CONTACTS**	(A) 6-32 x 3/4 FLAT HEAD PHILLIPS ZINC PLATED SCREW (B) 6" ORANGE WIRE WITH INSULATED SPADE CONNECTOR (C) 6" BLUE WIRE WITH INSULATED SPADE CONNECTOR (D) 6" BLUE WIRE WITH INSULATED SPADE CONNECTOR
	60-34B024	
	FOR N-O CONTACTS	(A) 6-32 x 3/4 FLAT HEAD PHILLIPS ZINC PLATED SCREW (B) 6'' BLUE WIRE WITH INSULATED SPADE CONNECTOR (C) 6" GREY WIRE WITH INSULATED SPADE CONNECTOR
	60-34B025	
	FOR N-C CONTACTS	(A) 6-32 x 3/4 FLAT HEAD PHILLIPS ZINC PLATED SCREW (B) 6" ORANGE WIRE WITH INSULATED SPADE CONNECTOR (C) 6" GREY WIRE WITH INSULATED SPADE CONNECTOR
	60-34B026	

MODEL NUMBERS

ITEM NUMBER	MODEL NUMBER		QTY	DESCRIPTION
	SINGLE GANG	MULLION		
4.	CM-8000	CM-8100	1	NORMALLY OPEN CONTACT BLOCK
	CM-8010	CM-8110	1	NORMALLY CLOSED CONTACT BLOCK
	CM-8020	CM-8120	1	NORMALLY OPEN & NORMALLY CLOSED CONTACT BLOCK

INDIVIDUAL CONTACT OPTIONS

ITEM NUMBER	PART NUMBER	QTY	ITEM NUMBER
5.	60-66C000	1	NORMALLY OPEN CONTACT BLOCK
	60-66C001	1	NORMALLY CLOSED CONTACT BLOCK
	60-66C002	1	NORMALLY CLOSED CONTACT AN D NORMALLY OPEN BLOCK

BUTTON ENGRAVED (IN WHITE) OPTIONS		
ITEM NUMBER	**MODEL NUMBER**	**DESCRIPTION**
6.	CM-xxxE	EXIT
	CM-xxxS	SORTIE
	CM-xxxSA	SALIDA

FACE PLATE ENGRAVED (IN BLACK) OPTIONS		
ITEM NUMBER	**MODEL NUMBER**	**DESCRIPTION**
7.	CM-xxx/2	WHEELCHAIR
	CM-xxx/3	PUSH TO OPEN
	CM-xxx/3F	POUSSEZ POUR OUVRIR
	CM-xxx/3S	EMPUJE PARA ABRIR
	CM-xxx/4	'WHEELCHAIR' & 'PUSH TO OPEN'
	CM-xxx/7	PUSH TO EXIT
	CM-xxx/7F	POUSSEZ POUR SORTIR
	CM-xxx/8	PUSH TO LOCK

COMPATIBLE MOUNTING BOXES OPTION		
ITEM NUMBER	**PART NUMBER**	**DESCRIPTION**
8.	CM-34AL	SURFACE MOUNT BOX WITH STANDARD DEPTH AND THREADED CONDUIT ENTRY. HEAVY DUTY CAST ALUMINUM 4-1/2"H X 2-3/4"W X 1-3/4"D [117MM X 70MM X 47MM]
	CM-66	FLUSH BOX & DRESS PLATE, STANDARD DEPTH BOX WITH 7'' X 7'' DRESS PLATE HEAVY GAUGE STAINLESS STEEL
	CM-31	SLEEVE COVER FOR STANDARD 2 3/4" X 4 1/4" (69MM X 110MM SURFACE ELECTRICAL BOX. HEAVY GAUGE STAINLESS STEEL
	CM-CPC1	VANDAL AND WEATHER RESISTANT CLEAR LIFT COVER
	CM-34BL	SINGLE GANG BLACK ABS BOX, SURFACE MOUNT 4 5/8"H X 2 7/8" W X 1 3/4"D (117MM X 73MM X 44MM)
	CM-34D	SURFACE MOUNT BOX WITH EXTRA DEPTH. HEAVY DUTY GREY POLYMER 4 1/2"H X 2 3/4"W X 1 3/4"D [117MM X 71MM X 71MM]
	FOR CM-8100 NARROW SERIES	
	CM-23D	SURFACE BOX WITH EXTRA DEPTH, FLAME, AND IMPACT RESISTANT BLACK POLYMER (ABS) 4 1/2"H X 1 3/4" W X 1 1/2"D [117MM X 46MM X 43MM]