



# CAMDEN CM-8100 Series Push Buttons Installation Guide

[Home](#) » [Camden](#) » CAMDEN CM-8100 Series Push Buttons Installation Guide 

## Contents

- [1 CAMDEN CM-8100 Series Push Buttons](#)
- [2 Product Information: Door Activation Devices – CM-8000 & CM-8100 Series Push Buttons](#)
- [3 INSTALLATION INSTRUCTIONS](#)
- [4 GENERAL DESCRIPTION](#)
- [5 SPECIFICATIONS](#)
- [6 APPLICATION](#)
- [7 INSTALLATION](#)
- [8 PARTS INFORMATION](#)
- [9 Documents / Resources](#)
  - [9.1 References](#)



## CAMDEN CM-8100 Series Push Buttons



## Product Information: Door Activation Devices – CM-8000 & CM-8100 Series Push Buttons

### Specifications

- **Voltage:** Not specified
- **Contact Rating:** 10 amps
- **Temperature Range:** Not specified
- **Timer Life:** Not specified
- **Switch Type:** Single Pole Single Throw (SPST)
- **Standard Finish:** Brushed aluminum
- **Dimensions:** CM-8000 series – 1 3/4" or 2 3/4" widths

### Product Description

The CM-8000 Series low profile exit switches from Camden Door Controls are designed to meet the stringent demands of exit controls. These vandal-resistant switches come with a heavy-duty brushed aluminum plate and are available in 1 3/4" or 2 3/4" widths. The switches have a low-profile design, protruding less than 1" from the wall, making them unobtrusive while providing easy activation. They are UL/CSA approved and rated at 10 amps.

### Installation

To install the CM-8000 Series Push Buttons, follow these steps

1. Ensure you have the following items included in the package
  - 1" (25mm) diameter red or green Push button
  - Single Gang Die-cast Aluminum Faceplate
  - Normally open and/or Normally closed Contact block
  - Parts Kit
2. Decide on the mounting type: surface, flush, or mullion (narrow) mounted.
3. Mount the supplied 1-3/4" brushed aluminum faceplate to a single gang electrical box.

4. Insert the wiring into the top and bottom of the contact block, and secure them with the two screw terminals.
5. If you need more than one function on activation, attach additional contact blocks across the back of the button.  
Each contact block can be stacked with another to double the number of functions.
6. Follow the provided diagrams, which have numbered screw terminals for ease and clarity.

### **Application**

The CM-8000 Series Exit Switches are ideal for high traffic areas, such as store and building front entrances and exits.

### **Wiring**

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

### **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.

### **Parts Information**

The CM-8000 & CM-8100 Series Push Buttons include the following parts

- Single Gang Faceplate
- Mullion Faceplate

### **Frequently Asked Questions (FAQ)**

- **Can the CM-8000 Series Push Buttons be mounted on a narrow frame or mullion?**

Yes, the CM-8000 Series Push Buttons can be mullion (narrow) mounted.

- **What is the maximum number of functions that can be controlled simultaneously?**

The CM-8000 Series Push Buttons are modular, allowing contacts to be stacked to control up to six distinct functions simultaneously.

### **Door Activation Devices**

### **CM-8000 & CM-8100 Series Push Buttons**

## **INSTALLATION INSTRUCTIONS**

### **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



## 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.

## SPECIFICATIONS

<b>Voltage</b>	12/24 VDC
<b>Contact Rating</b>	6A @ 30 VDC
<b>Temperature Range</b>	-13°F to 158°F (-25°C to 75°C)
<b>Timer Life:</b>	100,000 cycles
<b>Switch Type</b>	Momentary
<b>Standard Finish</b>	Brushed Aluminum
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>• <b>CM-8000</b> 4 1/2" H x 2 3/4" W x 1 1/2" D (114mm X 70mm x 38mm)</li> <li>• <b>CM-8100</b> 4 1/2" H x 1 3/4" W x 1 1/2" D (114mm X 44mm x 38mm)</li> </ul>

## APPLICATION

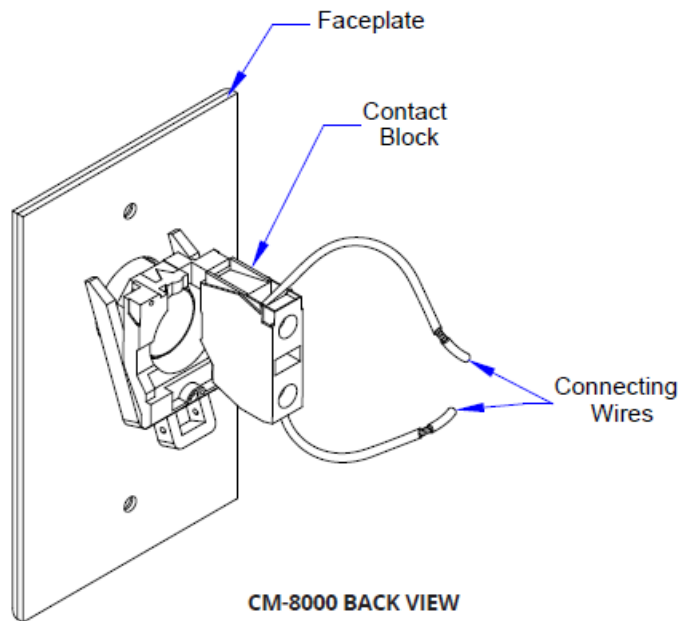
The CM-8000 Series Exit Switches are ideal for high traffic areas, such as store and building front entrances, and exits. They can be surface, flush, or mullion (narrow) mounted.

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

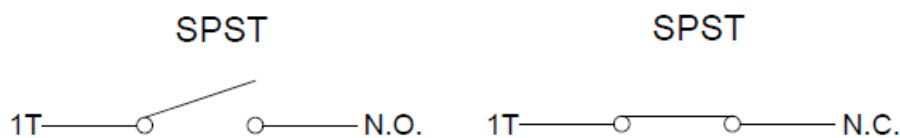
usage, in an indoor or outdoor environment. Camden Exit Switches are versatile, and are supplied in various configurations to suit commercial, industrial, and residential applications.

## INSTALLATION

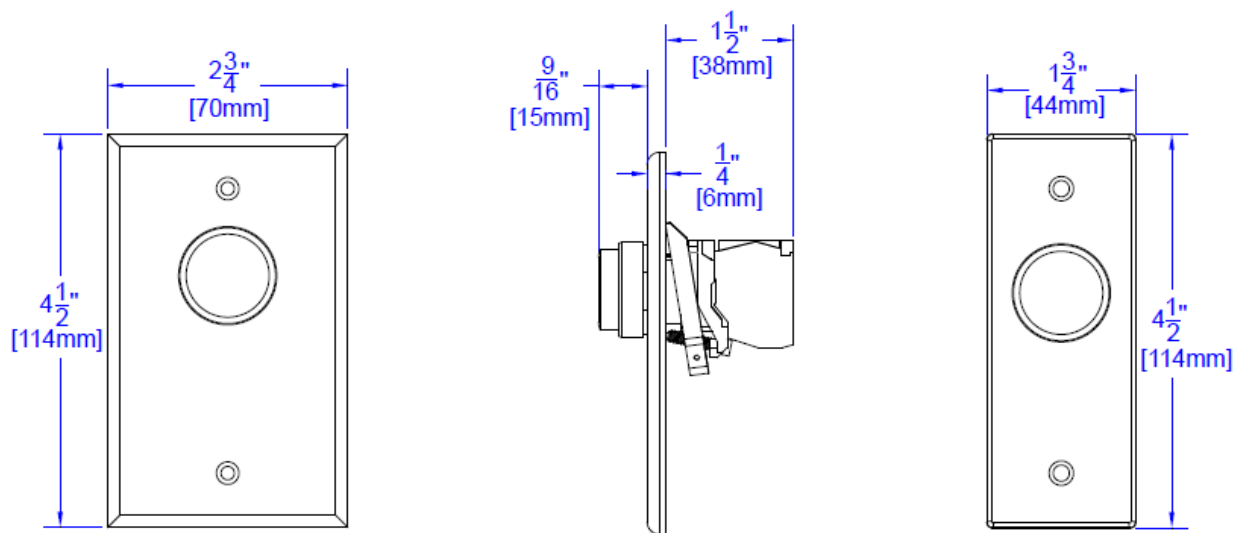
- The CM-8000 series contact block is a SPST (Single Pole Single Throw). It can be ordered with either a Normally Open or Normally Closed contact block. Each contact block is color coded. A contact block with a green actuator is
- Normally Open, where the red actuator is Normally Closed. Both types are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



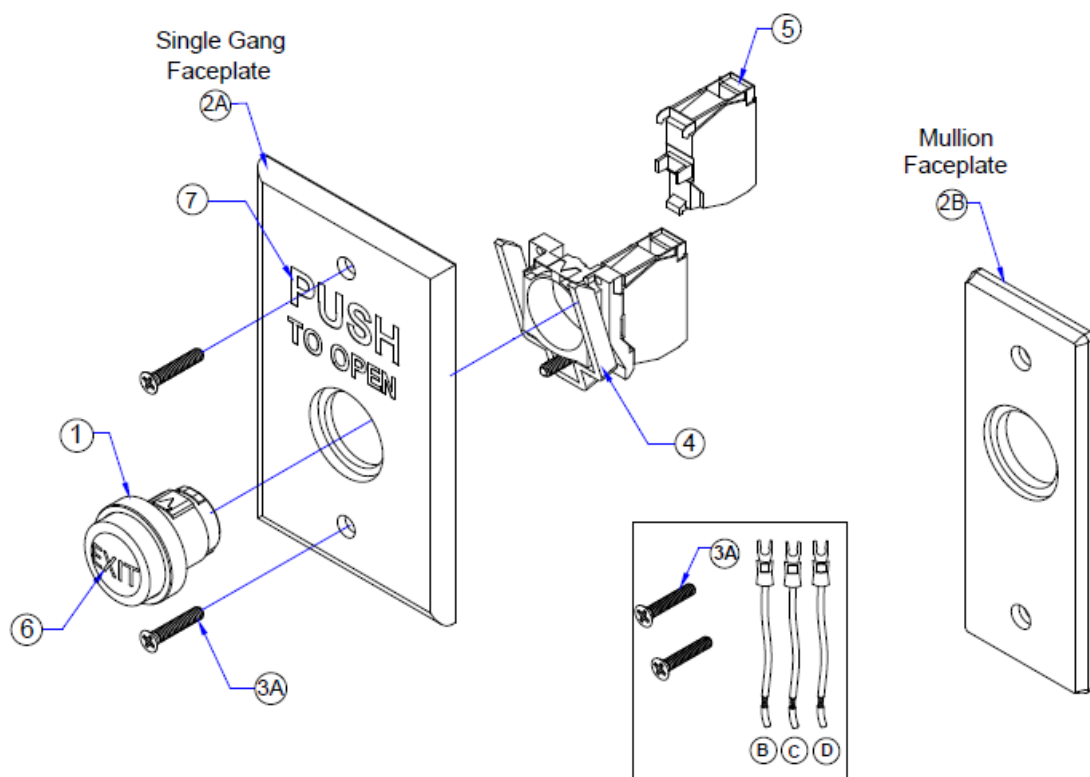
## WIRING



## CM-8000 AND CM-8100 SERIES FRONT AND SIDE VIEW



## 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 NUM BER	PART NUMBER		DESCRIPTION	
3.	FOR N-C & N-O CONTACTS		<ul style="list-style-type: none"><li>• (A) 6-32 x 3/4 FLAT HEAD PHILLIPS ZINC PLATED SCREW</li><li>• (B) 6” ORANGE WIRE WITH INSULATED SPADE CON NECTOR</li><li>• (C) 6” BLUE WIRE WITH INSULATED SPADE CONNEC TOR</li><li>• (D) 6” BLUE WIRE WITH INSULATED SPADE CONNEC TOR</li></ul>	
	60-34B024			
	FOR N-O CONTACTS		<ul style="list-style-type: none"><li>• (A) 6-32 x 3/4 FLAT HEAD PHILLIPS ZINC PLATED SC REW</li><li>• (B) 6” BLUE WIRE WITH INSULATED SPADE CONNEC TOR</li><li>• (C) 6” GREY WIRE WITH INSULATED SPADE CONNEC TOR</li></ul>	
	60-34B025			
	FOR N-C CONTACTS		<ul style="list-style-type: none"><li>• (A) 6-32 x 3/4 FLAT HEAD PHILLIPS ZINC PLATED SCREW</li><li>• (B) 6” ORANGE WIRE WITH INSULATED SPADE CON NECTOR</li><li>• (C) 6” GREY WIRE WITH INSULATED SPADE CONNEC TOR</li></ul>	
	60-34B026			
MODEL NUMBERS				
ITEM NUM BER	MODEL NUMBER		Q T Y	DESCRIPTION
	SINGLE GANG	MULLIO N		
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 BLO CK
INDIVIDUAL CONTACT OPTIONS				

ITEM NUM BER	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 AND NORMALLY OPEN BLOCK

BUTTON ENGRAVED (IN WHITE) OPTIONS		
ITEM NUM BER	MODEL NUMBER	DESCRIPTION
6.	CM-xxxE	EXIT
	CM-xxxS	SORTIE
	CM-xxxSA	SALIDA
FACE PLATE ENGRAVED (IN BLACK) OPTIONS		
ITEM NUM BER	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 NUM BER	PART NUMBER	DESCRIPTION
	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



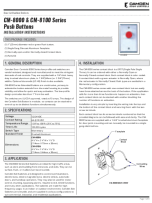
8.	CM-34BL	SINGLE GANG BLACK ABS BOX, SURFACE MOUNT 4 5/8"H X 2 7/8" W X 1 3/4"D (117 MM X 73MM X 44MM)
	CM-34D	SURFACE MOUNT BOX WITH EXTRA DEPTH. HEAVY DUTY GREY POLYMER 4 1/2"H X 2 3/4"W X 1 3/4"D [117MM X 71MM X 71MM]
	<b>FOR CM-8 100 NARR OW SERI ES</b>	
	CM-23D	SURFACE BOX WITH EXTRA DEPTH, FLAME, 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]

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- **Call:** 1.877.226.3369 / 905.366.3377
- **Visit:** [www.camdencontrols.com](http://www.camdencontrols.com)
- **File:** 40-82B268-CM- 8000&CM-8100\_Manual.indd
- **Revision:** October 26th 2020
- **Part No:#** 40-82B268




**Certified ISO 9001: 2015**

## Documents / Resources

	<p><b><a href="#">CAMDEN CM-8100 Series Push Buttons</a> [pdf] Installation Guide</b>  <b>CAMDEN CM-8100 Series Push Buttons, CM-8100 Series, Push Buttons, Buttons</b></p>
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## References

-  [Manual-Hub.com - Free PDF manuals!](#)
-  [Manual-Hub.com - Free PDF manuals!](#)
- [User Manual](#)

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