

CM-4085 and CM-5085 Series Mushroom Push Buttons

INSTALLATION INSTRUCTIONS

THIS PACKAGE INCLUDES:

- 1 - 1-5/8" (40mm) Diameter button (CM-4085 series) or 2- 3/8" (60mm) Diameter button (CM-5085 Series)
- 1 - Single Gang Die-cast Aluminum Faceplate
- 1 - Pneumatic time delay.
- 1 - Parts Kits



1. GENERAL DESCRIPTION

Camden Door Controls CM-4085 and CM-5085 Series Switches are heavy duty push buttons designed for industrial and commercial applications. CM-4085 buttons are 1-5/8 (40mm) in diameter, CM-5085 buttons are 2 3/8" (60mm) in diameter. They are available in red, blue, or green. All switches feature vandal resistance faceplate 1/4" [6mm] thick brushed aluminum, optional duranodic (US40) finish is also available.

CM-4085 and CM-5085 series switches are supplied with 1-60 second pneumatic timer. Pneumatic timer features 6 amps @ 24VDC.

2. SPECIFICATIONS

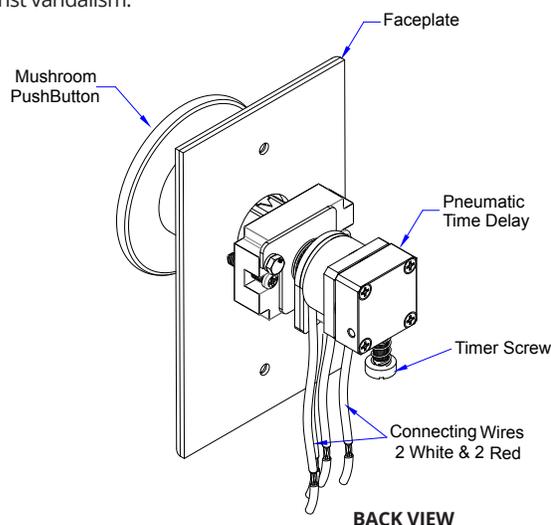
| | |
|-------------------|---|
| Voltage | 12/24 VDC |
| Contact Rating | 6A @ 24 VDC |
| Temperature Range | -13°F to 158°F (-25°C to 70°C) |
| Time Range: | 1-60 Sec |
| Timer Life: | 1,000,000 activations |
| Switch Type | Momentary |
| Contact Type: | N-C, N-O, Form 2 |
| Standard Finish | Brushed Aluminum |
| Dimensions | <p>CM-4185 NARROW: 4-1/2" H x 1-3/4" W x 2-1/8"D (114mm X 44mm x 54mm)</p> <p>CM-4085 & CM-5085 SINGLE GANG 4-1/2" H x 2-3/4" W x 2-1/8"D (114mm X 70mm x 54mm)</p> |

3. APPLICATION

Camden CM-4085 and CM-5085 'Request To Exit' Series Switches with built in pneumatic time delay are ADA (American Disabilities Act) compliant and are designed to de-energize electric locking devices (such as magnetic locks) on egress doors without reliance upon electrical power for their operation. The mechanical pneumatic timer is also adjustable, allowing flexible time control as required in the field. Select models comply with UL 294 (standard for access control systems) and are designed for use in access control installations meeting IBC (International Building Code) requirements.

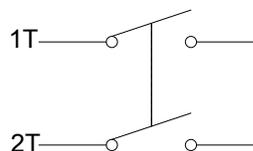
4. INSTALLATION

Pneumatic time delays require no power to operate. The timing range is 1 – 60 seconds and is easily adjusted by a thumbscrew. CM-4085 and 5085 Series mushroom push switches are heavy duty push buttons specially designed and manufactured to meet the stringent demands of exit control. No set screws are required, due to the bayonet interlocking of the modular assembly. Buttons are free spinning, for additional protection against vandalism.



5. WIRING

DPST



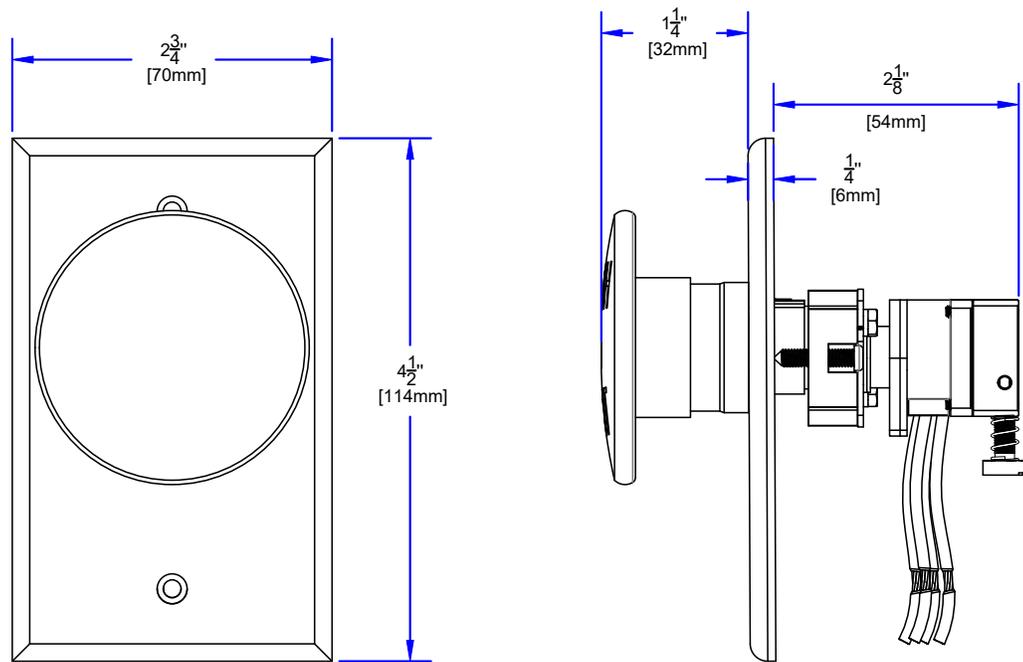
Momentary: When the switch is pressed it will provide a change of state on both of the N.O. & N.C. poles until released

| WIRING LAYOUT & COLOR CODING | | |
|------------------------------|-----------|-----------|
| SWITCH TYPE | DPST N.O. | DPST N.C. |
| NORMALLY OPEN | WHITE | RED |
| NORMALLY CLOSED | WHITE | RED |

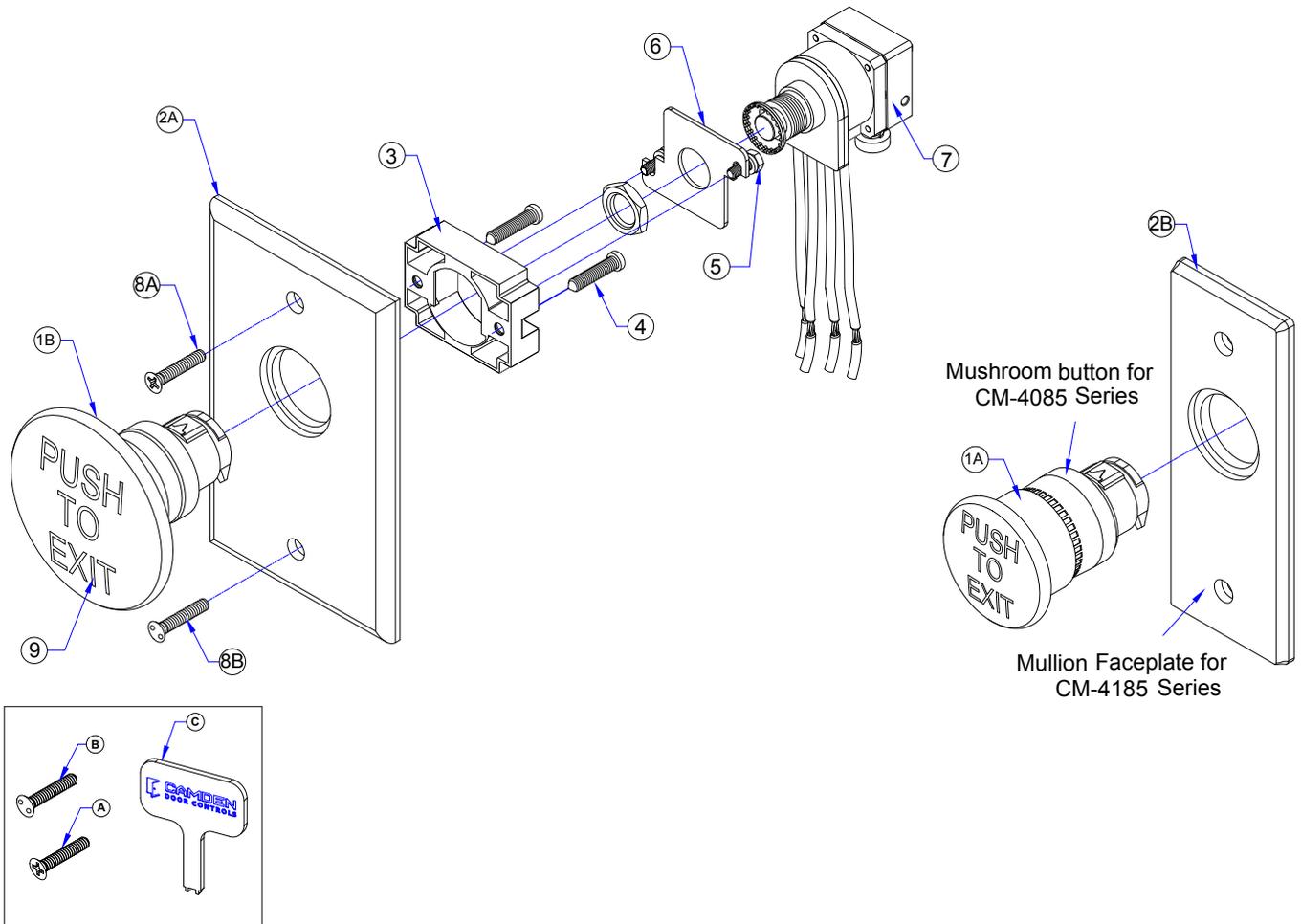
CM-4085 AND CM-5085 SERIES MUSHROOM PUSH BUTTONS

INSTALLATION INSTRUCTIONS

6. CM-4085 AND CM-5085 SERIES FRONT AND SIDE VIEW



7. PARTS INFORMATION



CM-4085 AND CM-5085 SERIES MUSHROOM PUSH BUTTONS

INSTALLATION INSTRUCTIONS

| MODEL NUMBERS | | | | |
|---------------|----------------|----------------|-----|--|
| | MODEL NUMBER | | QTY | DESCRIPTION |
| | CM-4085 SERIES | CM-5085 SERIES | | |
| | CM-4185 | - | 1 | SPRING RETURN WITH MULLION FACEPLATE, DPST 1-60 SEC PNEUMATIC TIME DELAY REQUEST TO EXIT SWITCH |
| | CM-4085 | CM-5085 | 1 | SPRING RETURN, DPST 1-60 SEC PNEUMATIC TIME DELAY REQUEST TO EXIT SWITCH |
| | CM-4085RPTE | CM-5085RPTE | 1 | SPRING RETURN, DPST 1-60 SEC PNEUMATIC TIME DELAY, RED BUTTON, 'PUSH TO EXIT'. COMPLETE MODEL. NO 'OPTIONS OR FINISHES' AVAILABLE |
| | - | CM-5085GPTE | 1 | SPRING RETURN, DPST 1-60 SEC PNEUMATIC TIME DELAY GREEN BUTTON, 'PUSH TO EXIT'. COMPLETE MODEL. NO 'OPTIONS OR FINISHES' AVAILABLE |

| ORDERING INFORMATION FOR REPLACEMENT PARTS | | | | |
|--|-------------|-----------------------|---|---|
| ITEM NUMBER | PART NUMBER | | DESCRIPTION | |
| 1. | A | CM-4085 SERIES | RED MOMENTARY MUSHROOM BUTTON (DIA. 1-5/8") | |
| | | 60-66A000 | | |
| | | 60-66A005 | | |
| | B | 60-66A006 | CM-5085 SERIES | RED MOMENTARY MUSHROOM BUTTON (DIA. 2-3/8") |
| | | 60-66A007 | | |
| | | 60-66A009 | | |
| | | 60-66A010 | | |
| 2. | A | 60-41A003 | DIE-CAST ALUMINUM SINGLE GANG FACE PLATE 4 1/2"H x 2 3/4"W x 1 3/4"D (114mm x 70mm x 44mm) | |
| | B | 60-41A004 | DIE-CAST ALUMINUM MULLION FACE PLATE 4 1/2"H x 1 3/4"W x 1 3/4"D (114mm x 44mm x 44mm) | |
| 3. | | 60-40G020 | ALUMINUM BLOCK | |
| 4. | | 60-51Z051G20 | M4-07 X 16MM PHILLIPS SCREW, CADMIUM PLATED | |
| 5. | | 60-51Z092B08 | M3 X 8 HEX HD CAP SCREW | |
| 6. | | 60-40A004 | MOUNT BRACKET | |
| 7. | | RM-1000/85M | PNEUMATIC TIME DELAY | |

| PARTS KIT | | |
|-------------|-------------|--|
| ITEM NUMBER | PART NUMBER | DESCRIPTION |
| 8. | 60-34B038 | (A) 6-32 X 3/4 FLAT HEAD PHILLIPS ZINC PLATED SCREW (B) 6-32 X 3/4 SNAKE EYE TAMPER PROOF SCREW (C) TAMPER PROOF (SNAKE EYE) KEY |

| BUTTON ENGRAVED (IN WHITE) OPTIONS | | |
|------------------------------------|--------------|------------------------------|
| ITEM NUMBER | MODEL NUMBER | ENGRAVED GRAPHIC DESCRIPTION |
| 9. | CM-xxxE | EXIT |
| | CM-xxxS | EXIT / SORTIE |
| | CM-xxxS | SORTIE |
| | CM-xxxESA | EXIT / SALIDA |
| | CM-xxxH | HANDICAP LOGO |
| | CM-xxxSA | SALIDA |

| COMPATIBLE MOUNTING BOXES | | |
|---------------------------|-------------|--|
| ITEM NUMBER | PART NUMBER | DESCRIPTION |
| 10. | 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" (70MM X 108MM) SURFACE ELECTRICAL BOX. HEAVY GAUGE STAINLESS STEEL |
| | CM-CPC1 | VANDAL AND WEATHER RESISTANT CLEAR LIFT COVER |
| | CM-34D | SURFACE BOX WITH EXTRA DEPTH HEAVY DUTY GREY POLYMER 4-1/2" H x 2-3/4" W x 3" D (114mm x 70mm x 76mm) |