**P7 AdvancedMC® Inject / Eject Mechanism**
Module handle & light pipe bracket panel preparation

- Die-cast construction for robust performance
- Handle operation controls hot swap activation
- Handle retention feature prevents accidental operation
- For use with Carriers supporting 4 Full-size AMC Modules

**Material and Finish**
Handle: Zinc alloy, black chrome
Lever: Zinc alloy, bright chromate
Pivot screw, Drag spring: Steel, zinc plated
Shoulder screw, U-bent washer: Stainless steel, passivated

**Performance Details**
Flammability rating: UL94-V0

**Installation Notes**
See page 492

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**Part Number**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>P7-C-701</th>
</tr>
</thead>
</table>

Part Number includes Upper and Lower Handle Assemblies, Switch Arm, Pivot Screws, Shoulder Screw and U-Bent Washers as shown

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**Panel Preparation**

**Upper handle location**

- Carrier PCB
- Ø2.7 (.11)
- 10.3 ±01 (.405 ±005)
- 2.4 ±0.3 (.090 ±005)

**Lower handle location**

- Carrier PCB Componet side 2
- Ø3 ±01 (.120 ±005)
- Ø1 ±0.05 (.04 ±005)
- 31.28 ±0.13 (1.230 ±005)
- 22.94 ±0.1 (.900 ±005)
- 0.62 ±0.1 (.02 ±005)
- SMK JPS1110 Switch
- Face Plate
- Ø2.9 ±0.1 (.070 ±005)
- 1.78 ±0.1 (.090 ±005)

* Captive Screws Sold Separately, See p495

Dimensions in millimeters (inch) unless otherwise stated
Installation

Tap M2.5 Threads into Carrier (not shown) to accept Pivot Screw and Shoulder Screw
Tighten screws to 45–60N·cm

Operation

Handle stowed, carrier inserted, Hot swap switch activated
Handle extended, carrier inserted, Hot swap switch activated
Handle extended, carrier inserted, Hot swap switch de-activated
Handle extended, carrier extracted, Hot swap switch de-activated

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**P7 AdvancedMC® Inject / Eject Mechanism**

Pull module handle

- Die-cast construction for robust performance
- Positive detent at three distinct positions
- Fits all current microswitch locations
- Custom colors available

**Material and Finish**
Handle/shaft, housing and catch: Zinc alloy, bright chromate

**Notes**
*Order light pipes separately

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**P7 AdvancedMC® Inject / Eject Mechanism**

Flush module handle

- Flush button prevents snagging of handle
- Flush button allows for better aesthetics
- Locking pin feature

**Material and Finish**
Handle/shaft: Zinc alloy, black epoxy coat
Housing, cover and catch: Zinc alloy, bright nickel plate
Light pipe: Polycarbonate clear

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**Part Number**
<table>
<thead>
<tr>
<th>Size</th>
<th>Handle</th>
<th>A</th>
</tr>
</thead>
<tbody>
<tr>
<td>P7-M-811-000</td>
<td>P7-10-812</td>
<td>12.50 (.492)</td>
</tr>
<tr>
<td>P7-M-812-000</td>
<td>P7-10-812</td>
<td>17.55 (.691)</td>
</tr>
<tr>
<td>P7-M-813-000</td>
<td>P7-10-812</td>
<td>27.55 (1.085)</td>
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</tbody>
</table>

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**Part Number**
<table>
<thead>
<tr>
<th>Size</th>
<th>Handle</th>
<th>A</th>
</tr>
</thead>
<tbody>
<tr>
<td>P7-M-822</td>
<td>Mid size 4HP</td>
<td>17.55 (.691)</td>
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<tr>
<td>P7-M-823</td>
<td>Full size 6HP</td>
<td>27.55 (1.085)</td>
</tr>
</tbody>
</table>

Dimensions in millimeters (inch) unless otherwise stated
**P7 AdvancedMC® Inject / Eject Mechanism**

**Operation**

- **Module Latched Switch Actuated**
- **Module Latched Switch Released**
- **Module Unlatched Switch Released**

**P7 AdvancedMC® Light Pipe Bracket**

- Easily snaps into faceplate
- Bracket includes light pipe and housing
- Compatibility with all standard Advanced MC® faceplates

**Material and Finish**

- Light pipe housing: Zinc alloy, bright chromate
- Light pipe: Polycarbonate, clear

**Notes**

- For R1.0 light pipe bracket go to www.southco.com

**Part Number**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Bracket Size</th>
<th>A</th>
<th>B</th>
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</thead>
<tbody>
<tr>
<td>P7-L-811</td>
<td>Compact</td>
<td>12.50 (.492)</td>
<td>2.1 (.08)</td>
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<tr>
<td>P7-L-812</td>
<td>Mid size</td>
<td>17.55 (.691)</td>
<td></td>
</tr>
<tr>
<td>P7-L-813</td>
<td>Full size</td>
<td>27.55 (1.085)</td>
<td></td>
</tr>
<tr>
<td>P7-L-811-11</td>
<td>Compact flush</td>
<td>12.50 (.492)</td>
<td>0.3 (.012)</td>
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<tr>
<td>P7-L-812-11</td>
<td>Mid size flush</td>
<td>17.55 (.691)</td>
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</tr>
<tr>
<td>P7-L-813-11</td>
<td>Full size flush</td>
<td>27.55 (1.085)</td>
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</tr>
</tbody>
</table>

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Dimensions in millimeters (inch) unless otherwise stated.

Other options available. For complete details on variety, part numbers, installation and specification, go to www.southco.com/P7
### Installation Notes

1. Snap handle assembly and light pipe bracket assembly into faceplate.
2. For R2.0, position blue LED light pipe into handle assembly and faceplate. Light pipe should be positioned against the outside wall of handle assembly.
3. Slide PCB in place and secure with screws. Blue LED light pipe is located on component side 2 of the PCB.

### Notes

All panel preparation tolerances ±0.1 (.004)

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### Panel Preparation Light Pipe Brackets

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>Compact 13.88 (.546)</td>
<td>Per AdvancedMC®.0</td>
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<tr>
<td>Mid-size 18.96 (.746)</td>
<td>0.65 (.026)</td>
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<tr>
<td>Full-size 28.95 (1.14)</td>
<td></td>
</tr>
</tbody>
</table>

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### Panel Preparation Module Handles

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compact 13.88 (.546)</td>
<td>Per AdvancedMC®.0</td>
</tr>
<tr>
<td>Mid-size 18.96 (.746)</td>
<td>12.35 (.486)</td>
</tr>
<tr>
<td>Full-size 28.95 (1.14)</td>
<td></td>
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</tbody>
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Dimensions in millimeters (inch) unless otherwise stated
P7 *AdvancedMC®* Inject / Eject Mechanism
Printed circuit board preparation

**PCB Preparation**

**Printed Circuit Board Component Side 1**

**Printed Circuit Board Component Side 2**

Location of LED:
R2.0 (Red) Panasonic LN20IR6R9A

Location of LED:
R2.0 (Green), Kingbright APA3010QYC

Location of hot swap switch
(ITT/CANNON HDT 0001)

Location of blue LED side 2
(Ref. Kingbright APA 3010MBC)

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Dimensions in millimeters (inch) unless otherwise stated