**Rapid Ring™ Pre-Fab Self-Adjusting Ring**

**Introduction**
This bulletin contains instructions for the selection, installation, and use of the Rapid Ring™ products listed in the Application Table. Read all instructions completely before proceeding to become familiar with the procedure and the parts being used. **SAVE THESE INSTRUCTIONS.**

**Electrical Shock Hazard**
- This equipment must be installed by qualified electrician
- Turn off all power to electrical box prior to installation or servicing
- Before starting a wiring installation, addition, or service, consult a local building or electrical inspector for current National Electrical Code and local code requirements
- In order to maintain the UL listing of the product, it is the responsibility of the Authority Having Jurisdiction (AHJ) to determine the acceptability of the product as installed

Failure to follow these instructions, alteration, or misapplication of the product may result in damage to property, personal injury, or death.

**APPLICATION DATA**
- Use only with UL Listed components
- Use with most 120V/240V 30Amp (max) wiring devices
- Use with most standard cable and conduit connectors
- Use with accepted box mounting brackets shown
- Use with plug-in wire connectors
- Use Sleeve Extenders when wall thickness is greater than 1 1/4” and no greater than 2”

**Electrical equipment should be installed and serviced by a qualified electrician. No responsibility is assumed by Eaton’s B-Line Business for any consequences arising from the use of this material.**

**IMPORTANT**
It is STRONGLY recommended that the compatibility of all components used be verified by the installer prior to installation through utilization of a mock-up wall using all components to simulate the final installation. Failure to do so may result in improper or undesirable final installation of the sleeve assembly and require substantial rework of the installation.

The wide range of variables (electrical box type and size, knockout size and location, box mounting bracket, cable and conduit connector size and location, number and size of wires, type and size of wire connectors, finished wall thickness, wiring device type and quantity, etc.) may prevent proper final installation, create insufficient wire space, cause damage to the wall surface and/or support bracket, or cause conductor insulation damage.

**Application Table**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>For Use With</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
<tr>
<td>Kit1 B1R4</td>
<td>B1RRP4C B1RAR B1RRE 1</td>
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<td>Kit1 B1R5</td>
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<tr>
<td>Kit1 B3RR</td>
<td>B3RRPC B3RAR B3RRE 3</td>
</tr>
<tr>
<td>Kit1 B4RR</td>
<td>B4RRPC B4RAR B4RRE 4</td>
</tr>
</tbody>
</table>

1 Kit includes Box Plate and Sleeve.
2 Protective Plate included with Box Plate.
3 Wall thickness range: 1/8” minimum to 1 1/4” maximum.
4 Stop Plates included with Sleeve.
5 Sleeve Extender is an optional accessory to extend maximum wall thickness range to 2”; mounting hardware included.
6 Minimum electrical box depth is 2 1/8”. Keyhole knockouts allow use on 2-gang electrical box.
7 Keyhole knockouts allow use on 3-gang electrical box.
8 Not compatible with Iberville™ 4” square electrical box.

**Application Table**

<table>
<thead>
<tr>
<th>Accepted Box Mounting Brackets</th>
<th>Catalog Number</th>
</tr>
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<tbody>
<tr>
<td>Face Mount</td>
<td>Back Mount</td>
</tr>
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<td>BB8-16</td>
<td>BB2-16T</td>
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<tr>
<td>BB8-24</td>
<td>BB2-16TS</td>
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<td>BB7-24</td>
<td>BB70</td>
</tr>
</tbody>
</table>

1 Patent Pending
†† Mark shown is property of respective owner

Rapid Ring™ is a trademark of Eaton’s B-Line Business.
Box Plate Assembly And Installation

1) Attach electrical box to mounting bracket (see page 1 for approved brackets).

2) Pre-wire electrical box as required using approved wire connectors and cable clamps. Electrical wiring may be added after mounting bracket assembly is attached to wall stud(s).

3) If not previously installed, install Protective Plate on side marked “THIS SIDE OUT” by centering on opening in Box Plate, hooking bottom into opening, and pushing top until snapped into position.

4) Align Box Plate to electrical box and attach using #8 screws provided with electrical box. Tighten screws to 20 lb-in.

5) Install box/mounting bracket assembly onto wall stud(s).

6) Install drywall (or other wall surface).

7) Carefully cut opening in drywall using router with 1/8” diameter router bit in a counter-clockwise direction using Protective Plate as guide.

8) Finish wall surface completely before final installation of push-in device assembly.

**IMPORTANT**
Do not remove Protective Plate before final device installation.

**IMPORTANT**
Make sure 2-gang Box Plate is oriented on box correctly, depending on desired final orientation of electrical devices.

**IMPORTANT**
Make sure box/mounting bracket assembly is level. Adjustment of wiring devices after installation in Box Plate is limited.

**IMPORTANT**
Protective Plate must remain in place when cutting wall opening. Do not use Box Plate opening as router guide. Gap around Protective Plate must not exceed 1/8” per NEC.

**IMPORTANT**
When using wall surface materials other than drywall (tile, paneling, etc.) make sure Protective Plate remains in place, and wall material does not contact or prevent removal of Protective Plate. Gap around Box Cover must not exceed 1/8” per NEC.
**Push-In Sleeve Assembly And Installation**

1) Attach Stop Plates to each wiring device mounting flange on Sleeve as shown (see table for number of Stop Plates required).

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Stop Plate Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1RRR</td>
<td>2</td>
</tr>
<tr>
<td>B2RRR</td>
<td>2</td>
</tr>
<tr>
<td>B3RRR</td>
<td>4</td>
</tr>
<tr>
<td>B4RRR</td>
<td>4</td>
</tr>
</tbody>
</table>

2) Prewire wiring device(s) using approved wire connector(s).

3) Attach pre-wired wiring device(s) to Sleeve using #6 screws supplied with wiring device(s).

**IMPORTANT**

Stop Plates are required to prevent damage to wall plate during Sleeve insertion and to prevent accidental over-insertion of Sleeve during device replacement.

<table>
<thead>
<tr>
<th>Catalog No.</th>
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</tr>
</thead>
<tbody>
<tr>
<td>B1RRR</td>
<td>2</td>
</tr>
<tr>
<td>B2RRR</td>
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<tr>
<td>B3RRR</td>
<td>4</td>
</tr>
<tr>
<td>B4RRR</td>
<td>4</td>
</tr>
</tbody>
</table>

4) Attach wall plate to wiring device(s).

5) Remove Protective Plate using one of the following methods:

- Insert screwdriver in slot, push up and out.
- Pull tab up and out.

6) Carefully pull wire connector(s) out and plug into wire connector(s) on wiring device(s).

**IMPORTANT**

Conductors must be routed to prevent conductor insulation damage when installing Sleeve.

Inspect wires and wire connector(s) and reposition if necessary to avoid pinching the wires or preventing Sleeve from being fully inserted into Box Plate.

7) Align Sleeve with opening in Box Plate and gently but firmly insert into Box Plate opening using a slight back-and-forth rocking motion until a clicking sound is heard and the sleeve is partially engaged on all sides evenly.

8) Push on the wiring device(s) evenly until the wall plate is flush with the wall surface.

**IMPORTANT**

Do not use excessive force while inserting the Sleeve assembly into the Box Plate opening as this may cause the Sleeve to jam in the opening making it difficult to realign or remove, or result in damage to conductor insulation, wire connectors, wall surface, box mounting bracket, or wall plate. Do not push on outer edges of the wall plate to insert the Sleeve assembly as this may cause damage to the wall plate or prevent the Sleeve assembly from being fully inserted.
Push-In Sleeve Adjustment/Removal
Requires (2) pc Release Tool P/N BRRT. Contact Customer Service for ordering information.
1) MAKE SURE CIRCUIT IS DE-ENERGIZED.
2) Remove wall plate to access wall opening around Sleeve.
3) With first Release Tool against outside of Sleeve and centered on wiring device, firmly push Release Tool between Sleeve and Retaining Clip using an up-and-down rocking motion until Release Tool slides past clip, disengaging Retaining Clip from grooves in Sleeve.
4) Repeat with second Release Tool on opposite side.
5) Using needle nose pliers, carefully pull Sleeve out of Box Plate at each corner until Sleeve is adjusted to desired position or is exposed sufficiently to grasp by hand. Remove using a back-and-forth motion.

6) Unplug wire connector(s).

Wiring Device Replacement
1) MAKE SURE CIRCUIT IS DE-ENERGIZED
2) Remove wall plate.
3) Remove device(s) to replace.

**IMPORTANT**
Do not remove Stop Plates to prevent accidental over-insertion of Sleeve during device removal or replacement.

4) Carefully pull wire connector(s) out and unplug connector(s) on wiring device(s).
5) Plug in wire connector(s) of replacement prewired wiring device(s).
6) Align wiring device(s) with Sleeve and attach using #6 screws supplied with wiring device(s).
7) Replace wall plate.

**Sleeve Extender Assembly And Installation**
Select appropriate Extender:

<table>
<thead>
<tr>
<th>Extender Selection</th>
<th>For Sleeve Catalog No.</th>
<th>Use Extender Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
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<td>B1RRE</td>
<td></td>
</tr>
<tr>
<td>B2RRR</td>
<td>B2RRE</td>
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<td>B3RRR</td>
<td>B3RRE</td>
<td></td>
</tr>
<tr>
<td>B4RRR</td>
<td>B4RRE</td>
<td></td>
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</tbody>
</table>

**IMPORTANT**
Use Sleeve Extender only when wall thickness is greater than 1 1/4" and no greater than 2".

1) Align Sleeve Extender with back of Sleeve as shown.
2) Attach using #8 screws supplied with Sleeve Extender in each mounting position. (see table for number of screws required). Tighten screws to 20 lb-in.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Screw Qty.</th>
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<tbody>
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<tr>
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<td>B3RRE</td>
<td>4</td>
</tr>
<tr>
<td>B4RRE</td>
<td>4</td>
</tr>
</tbody>
</table>

3) Follow instructions for PUSH-IN SLEEVE ASSEMBLY AND INSTALLATION on previous page for installation in Box Plate.