HUBBELL SystemOne
Fully Adjustable
4-Inch Round
Recessed
Floor Boxes

from the Leader in Delivery Systems
Hubbell SystemOne Fully Adjustable 4-Inch Round Recessed Floor Box

The next big step in innovation

The Hubbell SystemOne Fully Adjustable Recessed floor box is the next step in a long line of quality products delivering power, data and A/V for any application. The challenge of a recessed adjustable floor box is the device depth would vary for different floor thicknesses. Hubbell has solved this issue with the integral, patent pending, mounting cup which adjusts the device mounting depth to 3 inches, no matter the floor thickness. Additionally, this is helpful for engineered flooring on concrete; the cup allows for the electrical devices to be adjusted upwards up to 1½ inches. This feature is particularly accommodating when the final flooring is unknown at the time concrete is being poured.

Utilizing the same cover design as our 4-inch Recessed Fire-Rated Poke-Throughs, a common look is now possible anywhere in a building, on grade or above.

Features

- Patent pending post pour adjustability cup
- High visibility white cup for making easy connections
- cULus Listed - Scrubwater compliant
- PVC, stamped steel or cast iron construction available
- Multiple, open architecture mounting plates for power, data and A/V
- Recessed connections

1. **Cover**
   - 1000 lb, static load rated Cover
   - Available in six architectural cover finishes
   - ADA – American’s with Disabilities Act – compliant flange thickness of .15 inch

2. **Chamber**
   - 3 inch deep access chamber
   - Adjustable Mounting Cup with teeth spaced in 5/32 inch increments allows for up to 1½ inches of upward adjustability from the lowest position. Ideal for engineered flooring.

3. **Box**
   - Up to 2-inch conduit ready*
   - Available in PVC, Stamped Steel, Epoxy Coated Stamped Steel or Cast Iron
   - * Cast Iron Maximum conduit - 1 1/2 inches

2 Inch Conduit Ready

To meet expanding AV and data needs, the Hubbell SystemOne Recessed Floor Box line readily accepts 2 inch conduits with the use of a 2 inch threaded conduit hub - CFBHUB2 Sold Separately. The offset design allows for less conduit lifting while threading, plus the hub mounting holes are asymmetrical to ensure correct mounting.
Floor Boxes

1. Locate installation area and connect conduits
2. Pour concrete
3. Cut box top level with concrete
4. Install flooring
5. Install Adjustable Mounting Cup and level with finished flooring CFBS1R4CUP
6. Wire devices into box
7. Finish with cover CFBS1R4CVR
Adjustable Mounting Cup

The Adjustable Mounting Cup (AMC) is the unique feature of the CFBS1R4 Floor Box product line, and must be purchased separately from the floor boxes. With teeth spaced in \( \frac{5}{32} \) inch increments, the adjustable cup allows for installation ease and flexibility. The AMC is dropped into the floor box collar then rotated clockwise to set the height and is adjustable until the ground plate is installed. Once the ground plate is installed, the cup is locked into place preventing unwanted adjustment of height. Lastly, the device mounting plate and electrical devices are installed.

Multi-Service PVC Floor Box

The CFBS1R4PFB multi-service box PVC floor box has conduit entries for both power and low voltage services and is suitable for on grade or above grade use. The floor box has an integral grounding and bounding plate which maintains a constant ground path incase a single device is removed from a box in a run of boxes, as required in Canada. Also included are reducers for both power and data conduits.

Multi-Service Cast Iron Floor Box

The CFBS1R4CFB is a multi service cast iron floor box suitable for on grade or above grade use with conduit entries for both power and low voltage services. Conduit connections are made through NPT threads in each respective electrical category. The box is supplied with plugs for all NPT thread openings incase an opening is not used.

<table>
<thead>
<tr>
<th></th>
<th>PVC Floor Box</th>
<th>Cast Iron Floor Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catalog Number</td>
<td>CFBS1R4PFB</td>
<td>CFBS1R4CFB</td>
</tr>
<tr>
<td>Min. Pour Depth</td>
<td>5.00 inch</td>
<td>5.00 inch</td>
</tr>
<tr>
<td>Max. Pour Depth</td>
<td>6.00 inch</td>
<td>6.00 inch</td>
</tr>
<tr>
<td>Max. finished floor thickness (above top of box collar)</td>
<td>( \frac{1}{2} ) inch at 5 Inch</td>
<td>( \frac{1}{2} ) inch at 5 Inch</td>
</tr>
<tr>
<td>Minimum depth beneath device plate (at 5 inch height)</td>
<td>1.84 inch</td>
<td>1.84 inch</td>
</tr>
<tr>
<td>Data/AV conduits</td>
<td>2, 1( \frac{1}{2} ), 1( \frac{1}{4} ), 1 inch</td>
<td>1( \frac{1}{2} ) inch NPT</td>
</tr>
<tr>
<td>Power conduits</td>
<td>1( \frac{1}{4} ), 1, ( \frac{3}{4} ), ( \frac{1}{2} ) inch</td>
<td>1 inch NPT</td>
</tr>
<tr>
<td>Total wiring volume</td>
<td>67 inch(^3)</td>
<td>72 inch(^3)</td>
</tr>
<tr>
<td>Data AV wiring volume</td>
<td>31 inch(^3)</td>
<td>35 inch(^3)</td>
</tr>
<tr>
<td>Power wiring volume</td>
<td>34 inch(^3)</td>
<td>35.5 inch(^3)</td>
</tr>
<tr>
<td>Power conduit reducers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>default conduit 1( \frac{1}{4} ) inches</td>
<td>2 x 1, 2 x ( \frac{3}{4} ), 2 x ( \frac{1}{2} ) inch</td>
<td>—</td>
</tr>
<tr>
<td>Low voltage conduit reducers default conduit 2 inches</td>
<td>2 x 1( \frac{1}{4} ), 2 x 1( \frac{1}{4} ), 2 x 1 inch</td>
<td>—</td>
</tr>
</tbody>
</table>
### Device Mounting Plates

<table>
<thead>
<tr>
<th>2X2 Sub-plate with one decorator device opening and two keystone jack openings</th>
<th>One 1.40 inch opening for simplex receptacle</th>
<th>One StyleLine® decorator device opening for power or datacom applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1R4SP2X2STYLE</td>
<td>S1R4SPSIMPLEX</td>
<td>S1R4SPSTYLE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2X2 Sub-plate with one duplex device opening and two keystone jack openings</th>
<th>Four single 20A receptacles. Can be wired as single or two circuit with isolated ground capability, 24 inch wire leads</th>
<th>2X2 Sub-plate with one duplex device opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1R4SP2X2DUPLEX</td>
<td>S1R4SPQUAD</td>
<td>S1R4SPDUPLEXP</td>
</tr>
</tbody>
</table>

| One 1.60 inch opening for 20 or 30A Twist-Lock® receptacle | |
|---|
| S1R4SPTWIST |

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### Multi-Service Stamped Steel Floor Box

The **CFBS1R4SFB** is a multi-service box stamped steel box with concentric knockouts for both power and low voltage services. Knockouts on the low voltage side of the box can be removed and replaced with a 2 inch threaded conduit hub (CFBHUB2 sold separately).

### Multi-Service Epoxy Coated Floor Box

The **CFBS1R4SFBCR** is a multi-service box stamped steel box with an epoxy coating with concentric knockouts for both power and low voltage services. Knockouts on the low voltage side of the box can be removed and replaced with a 2 inch threaded conduit hub (CFBHUB2 sold separately). Epoxy coating makes box suitable for on grade use.

<table>
<thead>
<tr>
<th>Stamped Steel Floor Box</th>
<th>CFBS1R4SFB</th>
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<tbody>
<tr>
<td>Min. Pour Depth</td>
<td>5.00 inch</td>
</tr>
<tr>
<td>Max. Pour Depth</td>
<td>6.00 inch</td>
</tr>
<tr>
<td>Max. finished floor thickness (above top of box collar)</td>
<td>1 ⅛ inch at 5 Inch</td>
</tr>
<tr>
<td></td>
<td>½ inch at 6 Inch</td>
</tr>
</tbody>
</table>

| Minimum depth beneath device plate (at 5 inch height) | 1.84 inch |
|---|
| Data/AV conduits (concentric knockouts) | 1 ⅛, 1, ¾ inch (can be replace with CFBHUB2 for 2 inch conduits) |
| Power conduits (concentric knockouts) | 1 ¼, 1, ¾ inch |
| Total wiring volume | 80 inch³ |
| Data AV wiring volume | 39.5 inch³ |
| Power wiring volume | 39.5 inch³ |
| 2 inch conduit adapter (sold separately) | CFBHUB2 – replaces removable KO plate on low voltage side of box |

**Epoxy Coating (CFBS1R4SFBCR only)**: AkzoNobel AK121QF

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CFBS1R4SFB

CFBS1R4SFBCR
Floor Box Covers
The 4-inch recessed cover is available in a number of durable, yet beautiful finishes to match any décor. The flange height of 0.15 inch is ADA compliant and suitable for use on any floor finish. All covers are UL 514A listed and meet UL Scrubwater requirements.

Features
- Flange diameter is 5.5 inches
- Flange thickness is 0.15 inches thick and complies with ADA requirements
- Cover load rating is 1000 lbs, for a static load applied through a 3 inch mandrel
- Available in six finishes
  - Satin nickel, antique bronze, and brushed brass are plated finishes
  - Brushed aluminum is the base material brushed and lacquered
  - Black and gray finishes are powder coat

Architectural Cover Finishes
- Brushed Aluminum Finish, Single fold under cable egress door.
  - CFBS1R4CVRALU
- Plated Antique Bronze Finish, Single fold under cable egress door.
  - CFBS1R4CVRBRZ
- Plated Brushed Brass Finish, Single fold under cable egress door.
  - CFBS1R4CVRBRS
- Plated Satin Nickel Finish, Single fold under cable egress door.
  - CFBS1R4CVRNKL

Powder Coated Cover Finishes
- Black Powder Coat Finish, Single fold under cable egress door.
  - CFBS1R4CVRBLK
- Gray Powder Coat Finish, Single fold under cable egress door.
  - CFBS1R4CVRGRY

Accessories / Replacement Parts

- Allows the conduit connections for the low voltage portion of the CFBS1R4SFB and CFBS1R4SFBCR to be increased to 2 inch capacity. The offset design helps to minimize conduit float during the concrete pour.
  - CFBHUB2

- Replacement low voltage partition for use in all four CFBS1R4 series floor boxes.
  - CFBS1R4DIV

- Replacement ground bracket for use in all four CFBS1R4 series floor boxes.
  - CFBS1R4GND

- Set of conduit reducing adapters for use with the CFBS1R4PFB. Includes two each of the following adapters to reducing to the corresponding conduit diameter, 1, ¾ and ½ inch.
  - CFBADAPT125

- Set of conduit reducing adapters for use with the CFBS1R4PFB. Includes two each of the following adapters to reducing to the corresponding conduit diameter, 1½, 1¼ and 1 inch.
  - CFBADAPT200

- Replacement pre-pour concrete cover for use with all four of the CFBS1R4 series floor boxes.
  - CFBS1R4COVER
The complete SystemOne Product Offering

SystemOne – part of Hubbell’s Delivery Systems line – was born from a desire to create a common look for fire-rated poke-throughs and floor boxes. This innovative system allows you to create custom solutions for multi-service applications that require both floor boxes and fire-rated poke-throughs.

Regardless of capacity or installation, this simple concept allows engineers, architects, and contractors to select just one product line that will provide a uniform look throughout an entire building – whether the power, data, and AV are being delivered in the floor or through the floor.

Hubbell’s first SystemOne devices included a 4-inch flush fire-rated poke-through and floor boxes that shared a common cover assembly. With the introduction of 4, 6 and 8-inch recessed fire-rated poke-throughs, commercial buildings were provided with even more capacity options without having to sacrifice matching high-end finishes.

Next, Hubbell added a full line of recessed floor boxes for concrete and raised access floor applications to the SystemOne product offering. These recessed floor boxes guarantee a similar look for all capacities and installations. They offer a traditional rectangular cover and installation, as well as the option to use high-end round covers to match the recessed poke-through line.

With the latest addition of Hubbell SystemOne Fully Adjustable 4-Inch Round Recessed Floor Boxes, Hubbell has offered a solution to the ongoing challenge of installing a recessed floor box in a variety of floor thicknesses. Utilizing the same covers as Hubbell SystemOne 4-Inch Recessed Fire-Rated Poke-Throughs, a common look is now possible anywhere in a building, on grade or above.

Hubbell SystemOne - One Look for Any Capacity
Delivery Systems eTour
This interactive, virtual tour of a city demonstrates where and how Hubbell products can be deployed in the floor, through the floor, on the wall, on the surface and from floor to ceiling and demonstrates solutions in these spaces. Visit www.hubbell-wiring.com to take the tour.

Customer and Technical Drawings
Customer and technical drawings and installation instructions can be downloaded at www.hubbell-wiring.com.

BIM Models
Visit www.hubbell-wiring.com or seek.autodesk.com to download all Hubbell Wiring device BIM Models.

Available Literature
Hubbell offers an extensive literature library for product support. Downloadable PDFs are available online.

Hubbell SystemOne
Recessed 4, 6 and 8-Inch Fire-Rated Poke-Throghs

Hubbell SystemOne Selector Wheel

www.hubbell-wiring.com
www.hubbell-premise.com