

## Dimensions (continued)

### Cable Cubby 300C — All regions (circular)

6.000 ±0.0325" (15.24 ±0.083 cm) diameter circle

### Cable Cubby 600 — All regions

6.460 ±0.0325" W x 6.460 ±0.0325" D (16.41 ±0.083 cm W x 16.41 ±0.083 cm D)

### Cable Cubby 800 — All regions

7.860 ±0.0325" W x 6.320 ±0.0325" D (19.96 ±0.083 cm W x 16.05 ±0.083 cm D)

## Template Numbers

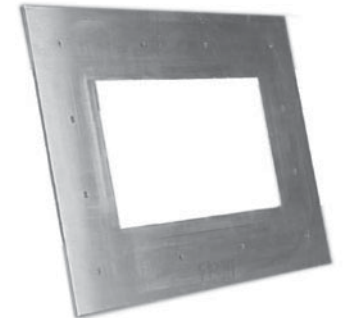
**NOTE** The routing template is reusable. Do not discard this template when installation is complete. Save it for installing future surface access enclosures of the same size.

**NOTE** No routing template is available for the HSA 822MS.

The following reusable routing templates are available from Extron. Their use is **strongly encouraged** for preparing the mounting surfaces.

Template	Part number
HSA 200/222 US and Cable Cubby 300S/300C routing template	70-237-01
HSA 200/222 International routing template	70-237-02
HSA 400 US routing template	70-189-01
HSA 400 International routing template	70-189-02
HSA 402 US routing template	70-190-01
HSA 402 International routing template	70-190-02
HSA 822/HSA 822M (all regions) routing template	70-191-01
Cable Cubby 200 (all regions) routing template	70-384-01
HSA 200/222 US and Cable Cubby 300S/300C routing template	70-237-01
Cable Cubby 600 (all regions) routing template	70-239-01
Cable Cubby 800 (all regions) routing template	70-240-01

## User's Guide



## HSA Series and Cable Cubby Routing Template

Routing Templates for Hideaway Enclosures

Extron USA - West Headquarters +800.633.9876 Inside USA / Canada Only +1.714.491.1500 +1.714.491.1517 FAX	Extron USA - East +800.633.9876 Inside USA / Canada Only +1.919.863.1794 +1.919.863.1797 FAX	Extron Europe +800.3987.6673 Inside Europe Only +31.33.453.4040 +31.33.453.4050 FAX	Extron Asia +800.3987.6673 Inside Asia Only +65.6383.4400 +65.6383.4664 FAX	Extron Japan +800.7339.8766 Inside Asia Only +81.3.3511.7655 +81.3.3511.7656 FAX	Extron China +400.883.1568 Inside China Only +86.21.3760.1568 +86.21.3760.1566 FAX	Extron Middle East +971.4.2991800 +971.4.2991880 FAX
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# Preparation

**NOTE** "Preparing the Routing Template" and "Preparing the Table" up through step 5 can be performed in advance.

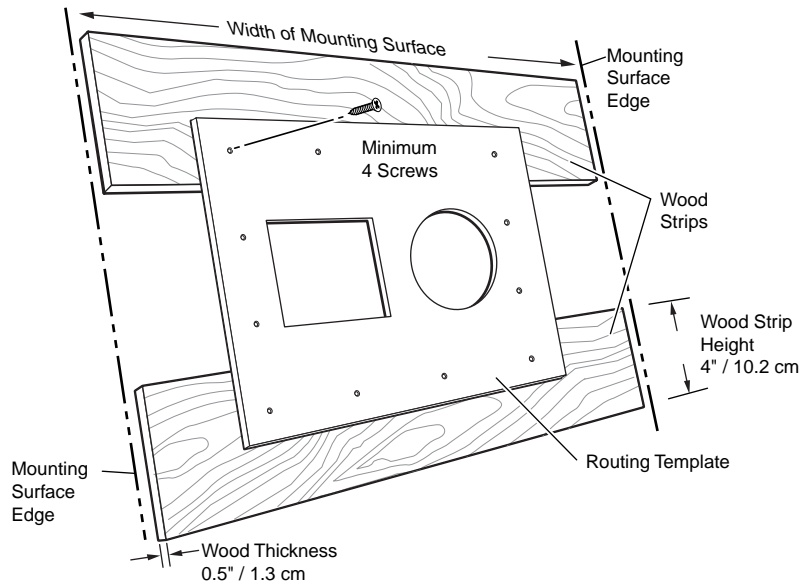
## Preparing the Routing Template

**NOTE** The routing template is reusable. Do not discard this template when installation is complete. Save it for installing future surface access enclosures of the same size.

1. Cut two 1/2" x 4" (approximately 1.3 cm x 10.2 cm) strips of soft, finished lumber at least long enough to span the distance between the desired installation location on the mounting surface and the edges of the mounting surface (figure 1).

These strips raise the routing template above the mounting surface to provide room for the router's collar, to protect the mounting surface, and to extend the reach of the routing template so that it can be clamped to the edge of the surface.

**CAUTION** Do not allow the wood screws to protrude through the bottom of the wooden strips. Protruding screws will mar the table when the template is used.



**Figure 1 — Prepared HSA 200/HSA 222/Cable Cubby 300 mounting template**

2. Using four or more short wood screws, secure the mounting template to the lumber strips.

## Preparing the Table

The preferred and **recommended** method for preparing the table is to use the appropriate Extron routing template and a router. Alternatively, you can use a paper cut-out template and a sabre saw or keyhole saw, but this method is **not recommended**. Prepare the table as follows:

**CAUTION** The opening in the table should be cut only by licensed and bonded craftspeople. Exercise care to prevent scarring or damaging the furniture.

The routing templates for the various HSA models are **not interchangeable**. If you use the wrong template, you **will** cut an improperly-sized hole. If you use a larger template than required, the cut will result in gaps in the table surface.

The surfaces of the enclosure have screws and other protruding hardware that could damage fine furniture. Do not rest the enclosure on unprotected furniture.

1. Determine the desired mounting location on the tabletop or other installation surface. Mark the spot.

**CAUTION** Ensure that only the wooden strips contact the furniture. Failure to do so can mar the furniture.

2. Place the mounting template assembly on the table, centered on the mounting location. Position the template so that the HSA or Cable Cubby opening is oriented properly. If necessary, use a square to ensure that the template is properly positioned.

**NOTE** Extron is not responsible for improperly-positioned HSA or Cable Cubby products.

3. Once the template assembly is positioned properly, secure the assembly to the table with C-clamps (figure 2).

**WARNING** Wear safety glasses when operating the router. Failure to comply may result in eye injury.

4. Using a router with 5/8" (or 16 mm) outside diameter guide bushings and a 1/2" (or either 12 mm or 12.7 mm) diameter straight router bit, carefully cut the opening in the table surface (figure 2).

5. Remove the C-clamps and the routing template.

**CAUTION** The flanged edges of the top of the surface enclosure are bevelled to an ultra-fine thickness of less than 0.04 (4/100)" (approximately 1 mm). These edges are soft and can be easily nicked or bent. Exercise caution when handling and mounting the enclosure. Mishandling can damage the appearance of the enclosure.

## Preparation (continued)

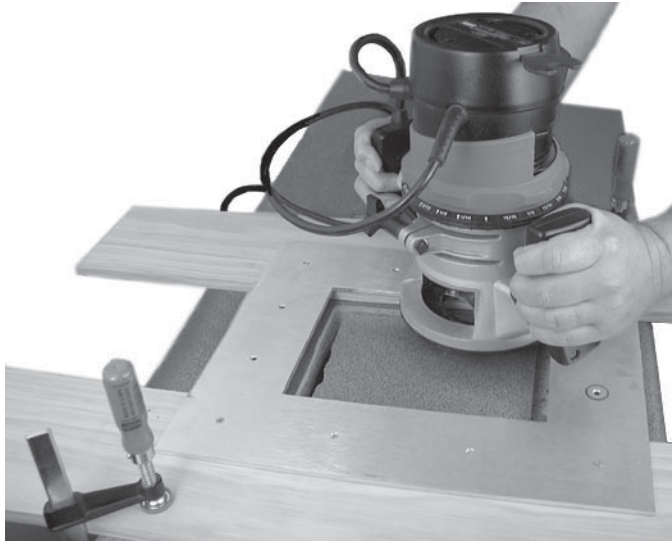


Figure 2 — Cutting the opening with a router

- When the surface mount enclosure is available, carefully lower the enclosure into the hole to test the fit. If necessary, use a file or rasp to enlarge or smooth the edges of the opening.
- Remove the enclosure.

## Cut-out Dimensions

The dimensions shown on page 4 and the back page will help you properly prepare the mounting surface.

For full size paper templates, visit the Extron Web site ([www.extron.com](http://www.extron.com)) or call the Extron S<sup>3</sup> Sales & Technical Support Hotline (see the rear cover of this manual for the phone number of the office nearest your location).

### CAUTION

Use the appropriate metal Extron routing template (**preferred**) to cut a hole in the furniture or other surface. If you choose not to use the template, refer to the surface cutout dimensions on page 4 before cutting a hole in the furniture or other surface. Pay special attention to the direction the unit will face; the unit's AAP and connector access side is underlined. Extron is not responsible for miscut mounting holes.

## Dimensions

### HSA 200S, HSA 200SE, HSA 222S — USA (square)

5.970 ±0.0325" W x 4.625 ±0.0325" D (15.16 ±0.083 cm W x 11.75 ±0.083 cm D)

### HSA 200C, HSA 200CE, HSA 222C — USA (circular)

6.000 ±0.0325" diameter (15.24 ±0.083 cm diameter) circle

### HSA 200S, HSA 200SE, HSA 222 — International (square)

7.683 ±0.0325" W x 5.875 ±0.0325" D (19.51 ±0.083 cm W x 14.92 ±0.083 cm D)

### HSA 200C, HSA 200CE — International (circular)

8.0 ±0.0325" diameter (20.3 ±0.083 cm diameter) circle

### HSA 400 — USA

8.113 ±0.0325" W x 5.925 ±0.0325" D (20.61 ±0.083 cm W x 15.05 ±0.083 cm D)

### HSA 400 — International

9.613 ±0.0325" W x 5.925 ±0.0325" D (24.42 ±0.083 cm W x 15.05 ±0.083 cm D)

### HSA 402 — USA

10.344 ±0.0325" W x 5.925 ±0.0325" D (26.27 ±0.083 cm W x 15.05 ±0.083 cm D)

### HSA 402 — International

13.344 ±0.0325" W x 5.925 ±0.0325" D (33.89 ±0.083 cm W x 15.05 ±0.083 cm D)

### HSA 822, HSA 822M — All regions

7.90" ±0.0325"\* W x 8.250" ±0.0325" D (20.07 ±0.083\* cm W x 20.96 ±0.083 cm D)

\* AAP access from front and back

### HSA 822MS — All regions (no routing template provided)

6.220" ±0.0325"\* W x 6.500" ±0.0325" D (15.80 ±0.083\* cm W x 16.51 ±0.083 cm D)

\* AAP access from front and back

### Cable Cubby 200 — All regions

7.312 ±0.0325" W x 3.155 ±0.0325" D (18.57 ±0.083 cm W x 8.01 ±0.083 cm D)

### Cable Cubby 300S — All regions (square)

4.625 ±0.0325" W x 5.970 ±0.0325" D (11.75 ±0.083 cm W x 15.16 ±0.083 cm D)