

#45, #47, #48 Plaster Box



#45 Box



#47 Box



#48 Box



Projection in front of Stud

The #45 Plaster Box, #47 Plaster Box, and #48 Plaster Box are used to mount the larger Theta panels into walls during new construction.

Box	Panel Size
#45	8.5" x 7.5"
#47	11.5" x 7.5"
#48	15.5" x 7.5"

These boxes fit panels of the Multi-Channel Five-Lite System and panels of the Room Status System.

The box should be screwed to the stud with enough of the box in front of the stud to match the thickness of the drywall. The box should be level or the panel will not be level. It may be necessary to place shims between the stud and the top or bottom of the box to get the box level. Sometimes it is of value to put a wood brace across be-

tween the studs to allow the end of the box away from the stud to be supported. The box is supplied with four #8 x 1" phillips pan head tapping screws for mounting to the stud.

Cable routed into the box should go through a romax clamp so there will not be sharp edges against the cable and it can be clamped to prevent it from falling back into the wall. Cables going up or down from the box should be stapled to the stud so that they will remain at least one inch away from the face of the stud. If cables are routed through a wall with metal studs, grommets should be installed anywhere the cable goes through the metal framing and cable ties should be used to secure the cable in the center of the stud chamber.

Often it is advisable to use a stub of conduit from the box to the ceiling chamber. The larger panels will sometimes need two or three 1½" or 2" conduits. A box connector

should be used to connect the conduit to the box. It is advisable to place a box connector on the top open end of the conduit so the cable will not be against the sharp edge of the conduit. When the cable is in a conduit it is protected from damage from screws or nails. Some of cable can also be pulled back into the ceiling after connections have been made rather than scuffed behind the panel.

All of the Theta panels that mount on these boxes require multiple independent circuits. The cables must be labeled with letters or numbers to identify which circuit they are so they can be connected correctly to the panel.

