SECURITRON MODEL TCP TOUCH BAR COVER PLATE INSTALLATION INSTRUCTIONS

1. DESCRIPTION

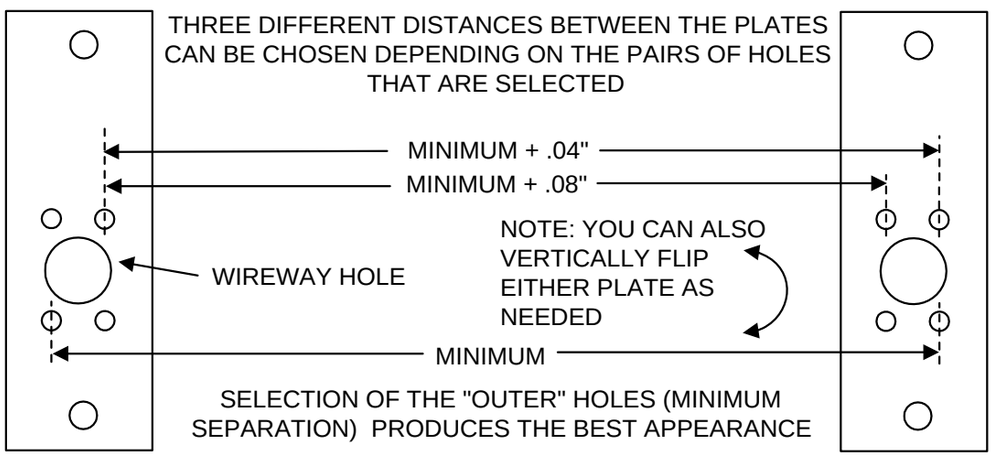
The model TCP cover plate is supplied in pairs in **clear or black anodized** aluminum finish. The plates are used to aid installation of Securitron's model TSB-3 Touch Sense Bar on aluminum (or other) doors which previously mounted a mechanical exit bar. The plates cover the mounting holes left by the removal of the mechanical bar while providing mounting options for the TSB-3.

2. PHYSICAL INSTALLATION

Because of the wide array of mechanical bars which may be present on the door, different installation techniques are called for. The first step is to determine the positioning of the plates so that they provide optimum appearance, cover previous holes and cut-outs and potentially employ some previously drilled holes. Naturally, you begin by removing the mechanical panic bar which will then show you the holes that you will need to deal with. Next note that two sets of threaded holes exist on each TCP plate. There are three reasons for this. First, the use of two sets makes each plate non-handed. You can use it on either the left or right side of the door. Then second, as Figure 1 shows, although **the "outer" holes place the bar on the plate in the most attractive manner**, you can select the inner holes on one or both plates to increase the separation of the plates on the door. By selecting one inner set, you will increase the separation distance by **.04" (1 MM).** The use of both inner sets of mounting holes will increase the separation distance by **.08" (2 MM).** The goal here is to achieve attractive positioning of the plates horizontally on the door **without the need to cut the bar.** Finally you can **vertically flip either plate** so that the main body of the plate extends downward rather than upward. Again this is to help cover up existing holes in an optimum way.

The best way to select the holes is to remove the end caps from the bar and temporarily screw the bar onto the plates using the plate mounting holes that you think will work. Next hold the assembly up to the door to insure that you are using the correct holes.

FIG. 1: SELECTION OF MOUNTING HOLES ON PLATES



While you are experimentally positioning the assembly, try to determine if you can use any of the holes that mounted the mechanical bar. The cover plates mount with 1/4-20 screws which are the same employed by many mechanical bars. Another option to consider is the use of a single plate rather than two. The single plate will cover the larger holes made on the active side of the mechanical bar and the other end of the TSB-3 bar may largely cover the other holes. An advantage of using a single plate is that is reduces your costs somewhat (one pair of plates handles two bars instead of one).

For final installation, note that you may need to drill clearance holes into the door at the positions where the TSB-3 screws into the plates as the screws will protrude through the plates.

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Note also that you will employ the **blind nuts furnished with the TSB-3** with the short, flat head cap screws furnished with the TCP to mount the plates to the door (assuming you can't use pre-existing tapped holes). The TSB-3 comes with a tool to collapse the blind nuts in the door (refer to the TSB-3 instructions for this point.)

FIG 2: TOUCH SENSE BAR/TCP PLATE ASSEMBLY DRAWING

