

**FIGURE 1****FIGURE 2****FIGURE 3****FIGURE 4****FIGURE 5**

#### LT2-Pro Series Speakers:

The Lowell LT2-Pro Series 2' x 2' speakers will quickly replace a 2' x 2' lay-in ceiling tile. The LT2-8A-Vb and LT2-8A-T870-Vb speaker systems are UL Listed in the USA for UL1480 5<sup>th</sup> Edition General Signaling for indoor dry use, UL2043 suitable for use in a return air plenum space, and CSA C22.2 No. 205-12 for use in Canada.

#### LT2-Pro Series 2' x 2' Speaker Installation:

##### Installation Note:

The LT2-Pro speaker systems must be installed and wired in accordance with all local, state, and federal building codes and regulations, and the installation must conform with industry standard practices.

##### STEP 1

Remove a 2' x 2' ceiling tile as shown in **FIGURE 1**.

##### STEP 2

For the 8-ohm LT2-8A-Vb model, use wire nuts or crimp connectors (furnished by the installer) to connect the white wire to the incoming "+" positive conductor and the black wire to the incoming "-" negative conductor. Normally this can be done without removing the wiring cavity termination plate and the completed splice can simply be shoved through the Romex hole before the Romex clamp is tightened. For the LT2-8A-T870-Vb that includes a 70V transformer where more wires are involved, it may be easier to remove the termination cover before making the splice. The 70V transformer tap color code is given on the side of the enclosure. Use wire nuts or crimp connectors (furnished by the installer) to connect the chosen colored transformer 70V primary tap wire to the incoming "+" positive conductor and the black (common) wire to the incoming "-" negative conductor. Always cut the finned portion of the unused tap wires off and insulate the leads (with electrical tape or other insulators) to keep them from shorting out to each other or to any other metal surfaces.

##### STEP 3

Lowell Manufacturing Company recommends that a safety cable always be used when speakers are installed over-head. In certain areas of the country, the building inspector (AHJ - Authority Having Jurisdiction) may require that one (1) or two (2) earthquake restraint cables be attached between the speaker and the building structure. Four (4) restraint cable tabs are supplied on the speaker rear (one in each corner) that can be bent up with a screwdriver as shown in **FIGURE 2**. Safety cables and earthquake restraint cables to be furnished by the installer.

##### STEP 4

Push the speaker up through the open 2'X2' hole in the ceiling as shown in **FIGURE 3** and set it in place on the ceiling grid as shown in **FIGURE 4**.

##### STEP 5

If earthquake restraint cables are required, you can use an adjacent tile opening to get above the ceiling to attach the cables from the structure to the speaker's restraint tabs. Most AHJs require restraint cables attached to opposing corners as shown in **FIGURE 5**.