



## StructuredWiringSolutions™ Installation Guide ESWD40800P/ESWD80800P

Instruction Leaflet IL00412004E

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### 8 x 8 Telephone and Video Distribution Module



#### Description

These modules provide distribution of four incoming telephone lines to eight locations via 110 connectors, and one video signal to eight locations (ESWD80800P) or to four video locations (ESWD40800P). These modules also have two coaxial pass-through connections for satellite TV.

#### Features

- Four or eight video outputs.
- Four-line capability.
- RJ31X jack for security.
- Space to label every output.



#### Installation Precautions

- Never install or work with telephone wiring during a lightning storm.
- Use caution when installing or modifying telephone lines.
- Have the electrician connect the ac outlet to the branch circuit power. The connection should be in accordance with the National Electrical Code®, Articles 110, 250, and 300.

#### Connecting Your TV Signal to the Module

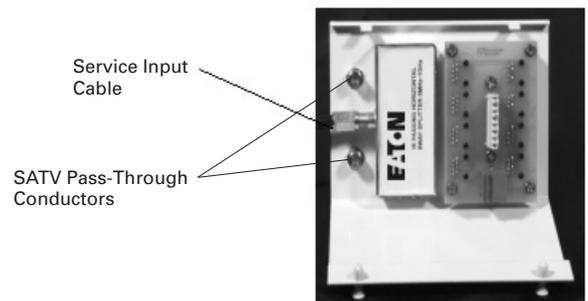
1. Connect the service input cable on the center coaxial port on the module. These signals can be either cable TV, antenna, or a modulated video signal. This will distribute the video signal to all of the outputs on the module. (See **Figure 1**.) There are also two pass-through connections that can be used to pass satellite signals.

#### Connecting TV Outlets to Outputs

1. Once your TV signal is connected to the module, you can now connect the room cables to the module. Remove the silver terminating cap from ONLY the connectors that you will be connecting room cables to. Keeping the caps on unused ports will help prevent unwanted video signals getting into your TV system.

**Note:** The module may have four (ESWD40800P) or eight outputs (ESWD80800P).

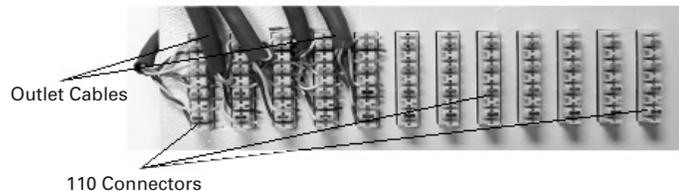
**FIGURE 1.**



## Connecting Telephone Service to the Module

1. Trim back jacket on phone cable approximately 1/2-inch (be sure to re-label the phone cable if necessary). Allow for a bend radius of at least 4 times the diameter of the phone cable.
2. Separate the pairs of wire from each other but do not untwist the pairs. Lay the room location cable (premise wire) in the laceway first so you know where to trim the wire to maintain neatness. Be sure to label each connection on the blank space provided on the face of the module.
3. Do not untwist the colored pairs more than 1/2-inch from the point of termination. Punch down the room cables to the 110 connectors on the module, starting with the blue/white conductor and then the solid blue conductor. Follow this pattern with all of the colors in the CAT5e cable. Punch down all cables in the same fashion, positioning and trimming each in order to maintain neatness. (See **Figure 2**.)

**FIGURE 2.**

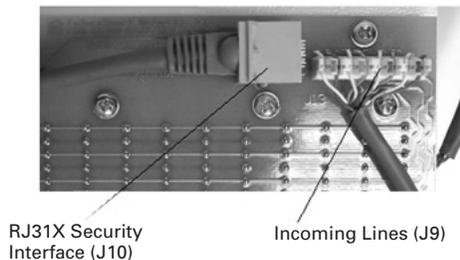


4. Once you have all the phone cables terminated onto each 110 punch-down connector, the next step is to connect the incoming phone service to the module. There is a 110 connector on the back of the module labeled "INCOMING LINES." Trim back the jacket on the incoming phone service cable and punch down onto this 110 connector. (See **Figure 3**.)

**Note:** Make sure that the Tip and Ring are connected to the 110 punch-down correctly. The striped wire is the Tip; the solid wire is the Ring. Start with the blue/white and then the solid blue. Follow the same pattern with the remaining colors. The Tip and Ring connection is important so that the RJ31X port will work properly.

Once you have connected this cable, all of the phone lines coming in (up to four lines) will now be distributed to all of the room cables on the front.

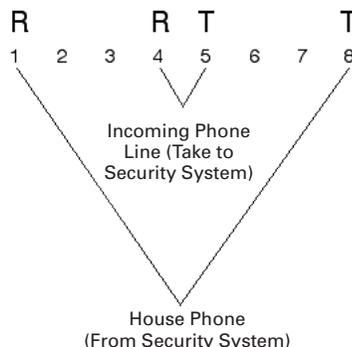
**FIGURE 3.**



## Installing the ESWD40800P/ESWD80800P With a Security System

Use the jack on the back of the ESWD40800P/ESWD80800P marked for security only to connect phone service to a security system. The RJ31X jack will use whichever phone line is associated with the blue CAT5e pair on the incoming cable. On the RJ31X jack, pins 5 and 4 take the phone signal to the security system, and pins 1 and 8 bring the phone signal back to the module. Make sure that the Tip (T) and Ring (R) are in the correct position. (See **Figure 4**.)

**FIGURE 4.**



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