

### 1. INTRODUCTION

The On-Q/Legrand 4 X 8 Telecom Module (P/N TM7556) is a member of our flexible family of Telephone Distribution Modules, each of which offers different combinations of line pin-outs to more closely match homeowner needs (see **Figure 1**).

### 2. DESCRIPTION

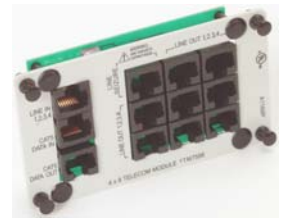
The On-Q/Legrand 4 X 8 Telecom Module accommodates 4 incoming voice lines and delivers these 4 lines to 8 locations. It includes data pass-through ports for high speed digital data, and mounts in single size module space along with other telecom modules. The module's plug and connect design makes line reconfiguration simple. Other benefits include:

- Single bay bracket (P/N 364890-01) included for mounting in On-Q style enclosure (see **Figure 2**)
- All connectors 8-Pin 8-Conductor (RJ45) wired to T568A
- Verified to comply with FCC Part 68 for unregistered equipment
- 50 microns gold plated contact points
- Security system line seizure port
- DIP switches to deactivate security system line seizure

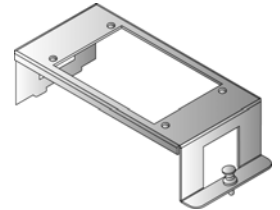
### 3. INSTALLATION

#### A. MOUNT THE 4 X 8 TELECOM DISTRIBUTION MODULE INTO THE ENCLOSURE.

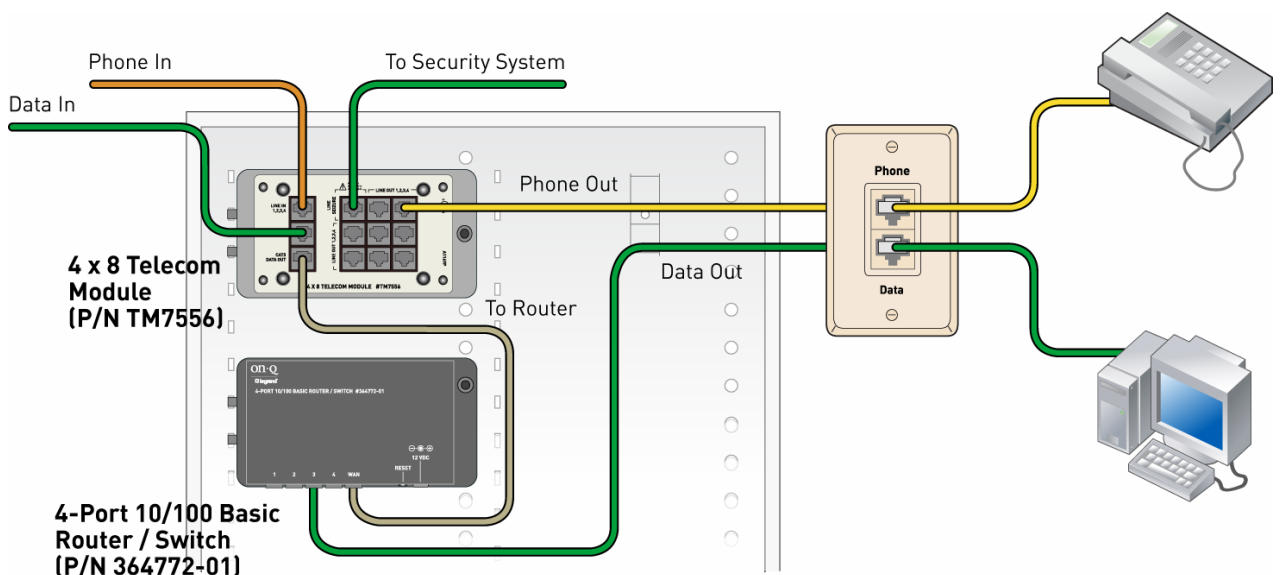
1. Pull out each of the plungers which are located at each corner of the 4 X 8 Telecom Module
2. Insert the module into the included single bay bracket and depress each of the four plungers to secure the module to the bracket
3. To mount the bracket (with module) into the enclosure, insert the tabs on the left side of the bracket into the slots in the enclosure and push the bracket pushpin into an appropriate hole in the enclosure to secure the bracket (with module) to the enclosure (see **Figure 3** for an example wiring diagram).



**Figure 1**



**Figure 2**



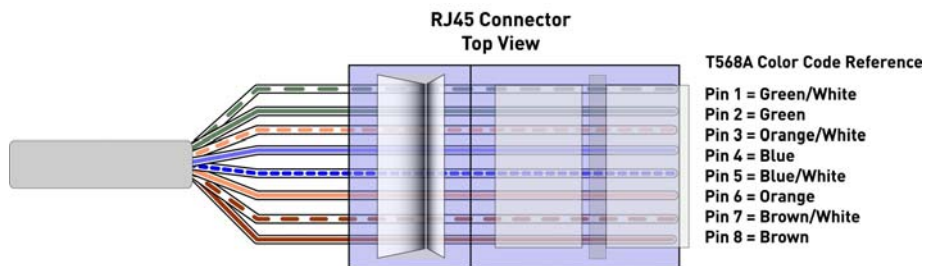
**Figure 3**

### B. TERMINATE WIRING

**NOTE:** Refer to Figure 3 on the previous page for a commonly used wiring diagram.

**IMPORTANT:** ALL WIRING SHOULD BE TERMINATED TO THE T568A WIRING STANDARD AS SHOWN IN *FIGURE 4*)

1. Terminate the incoming Cat 5e line from the telephone company NID to the T568A wiring standard.
2. Terminate each Cat 5e line that will be used to connect to each voice jack location.
3. Insert the RJ45 connector on the Cat 5e line from the telephone company NID into the RJ45 jack on the module that is labeled "LINE IN 1,2,3,4"
4. Insert the RJ45 connectors on the Cat 5e lines from the voice outlets into any of the RJ45 jacks on the module that are labeled "LINE OUT 1,2,3,4".

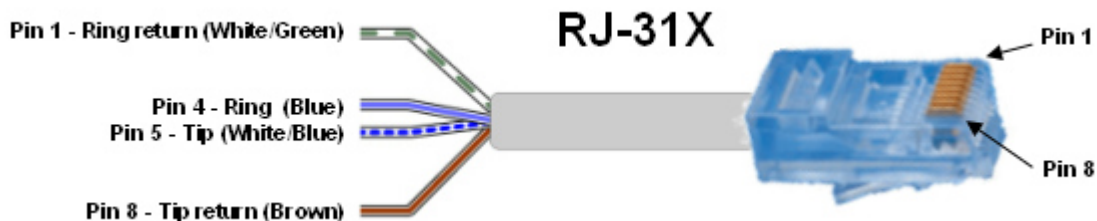


**Figure 4**

### C. TERMINATE AND CONFIGURE RJ-31X LINE SEIZURE (OPTIONAL)

**NOTE:** The following steps **MUST** be followed to use the Line Seizure option as shown in *Figure 5*.

1. Terminate a patch cable with a RJ45 on one end and bare-wire connection on the other. Connect the bare-wire end of the patch cable to the security system according to manufacturer's instructions. Insert the RJ45 connector end of the cable into the RJ45 jack on the module that is labeled "LINE SEIZURE".
2. Activate the Line Seizure function on the module by locating the two white dip switches on the module, peeling off the protective blue tape, and moving both switches upward to the active position.



**Figure 5**