

### 1. INTRODUCTION

The On-Q/Legrand 4 X 24 Telecom Module w/RJ-31x + Surge (P/N TM7560) is one 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

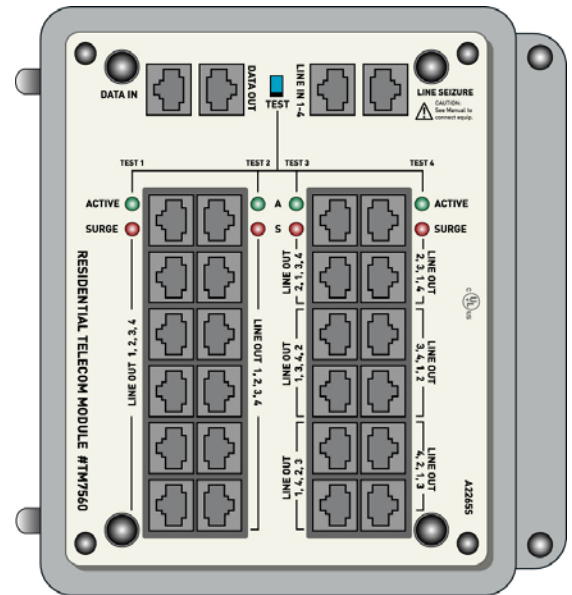
The On-Q/Legrand 4 X 24 Telecom Module w/RJ-31x + Surge distributes four incoming telephone lines to as many as 24 locations throughout the home. The module's plug and connect design makes line reconfiguration simple, and offers the following benefits:

- Line 1 is available at 16 locations
- Accepts four incoming telephone lines
- Flexible distribution to 24 telephone locations
- ISDN or ADSL digital data capable
- Security system compatible
- RJ45 / 8-Pin 8-Conductor connectors for user friendly configuration
- Advanced surge protection with automatically resetting fuse
- Push-button (TEST button) activated LED monitoring for active line and surge conditions
  - Active Light: Bright Green = active line, Dim Green = line in use, Flashing Green = ringing on that line
  - Surge Light: Red = surge condition on that line (poly fuse blown – will reset automatically)
- Double bay mounting bracket (P/N 364819-01) included for mounting in On-Q style enclosure

### 3. INSTALLATION

#### A. MOUNT THE 4 X 24 TELECOM MODULE W / RJ-31X + SURGE INTO THE ENCLOSURE.

- 1) Pull out the plungers which are located at each corner of the 4 X 24 Telecom Module.
- 2) Place the module onto 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.



**Figure 1**

### B. TERMINATE WIRING

**NOTE: All wiring should be terminated to the T568A wiring standard as shown in Figure 2.**

- 1) Terminate the incoming Cat 5e line from the telephone company NID to the T568A wiring standard.
- 2) Terminate each Cat 5e line (up to 24 total) that will be used to connect to each voice jack location.
- 3) Insert the RJ-45 connector on the Cat 5e line from the telephone company NID into the RJ-45 jack on the module that is labeled "LINES IN 1,2,3,4"
- 4) Insert the RJ-45 connectors on the Cat 5e lines from the voice outlets into the appropriate RJ-45 jacks on the module that are labeled "LINES OUT". The RJ-45 jacks are wired for the various configurations:
  - 12 are configured 1, 2, 3, 4
  - 2 are configured 2, 1, 3, 4
  - 2 are configured 1, 3, 4, 2
  - 2 are configured 1, 4, 2, 3
  - 2 are configured 2, 3, 1, 4
  - 2 are configured 3, 4, 1, 2
  - 2 are configured 4, 2, 1, 3

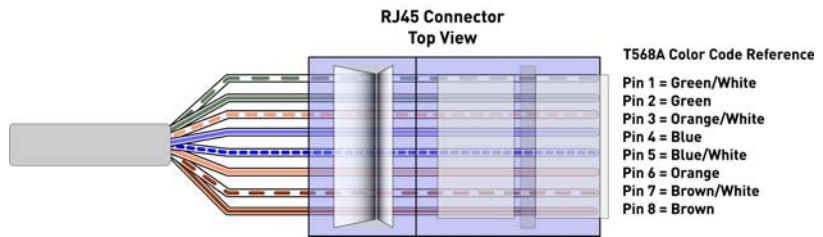


Figure 2

### 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 4.**

- 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.

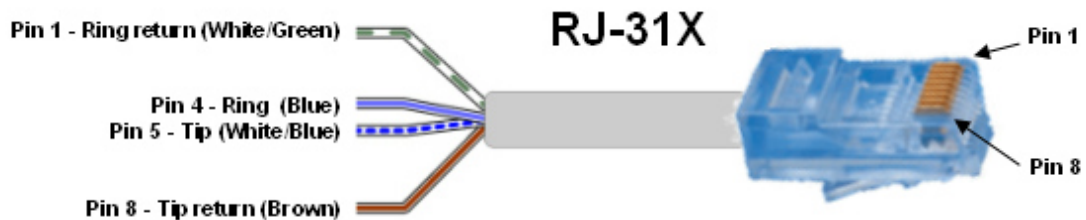


Figure 3