INSTRUCTION / INSTALLATION SHEET
4 X 10 Punchdown Telecom Modules

IS-0360 Rev. O

1. INTRODUCTION

The On-Q/Legrand 4 X 10 Punchdown Telecom Modules (P/N **TM7553** and **TM7554** as shown in *Figure 1*) are members of our flexible family of Telephone Distribution Modules, each of which is designed to more closely match homeowner needs.

2. DESCRIPTION

The 4 X 10 Punchdown Telecom Modules distribute four incoming telephone lines to as many as 10 locations throughout the home (see *Figure 2*). The P/N TM7554 version also includes an RJ-31x security system interface. Both versions have the following features:

- 110 punchdown style connectors for user friendly configuration
- All ports wired to meet TIA 568A specifications
- Accepts four incoming telephone lines
- Flexible distribution to 10 telephone locations
- Single bay bracket (P/N **364890-01**) included for installation in On-Q style enclosure (see *Figure 2*)
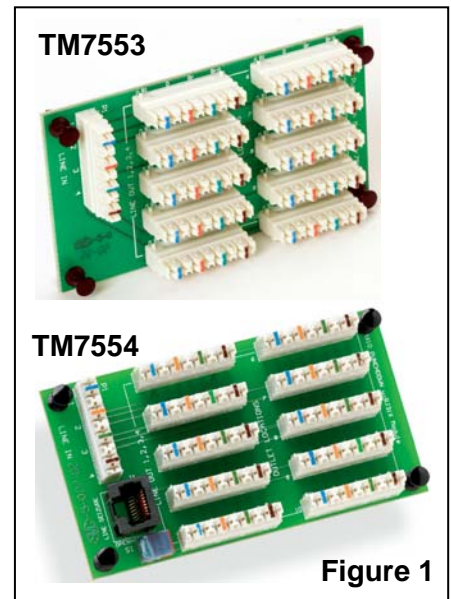- 50 microns gold plated contact points on RJ-31x interface port (TM7554 only)

TM7553

TM7554

Figure 1

3. INSTALLATION

A. MOUNT THE 4 X 10 PUNCHDOWN TELECOM MODULE INTO THE ENCLOSURE

1. Pull out the plungers located at each corner of the 4 X 10 Telecom Module and insert the module into the included single bay bracket (see *Figure 2*), depressing the plungers to secure the module to the bracket.
2. Insert the bracket into the On-Q style enclosure by inserting the tabs on the bracket into the slots on the left hand side of the enclosure and securing the bracket with the push-pin on the right end of the bracket.
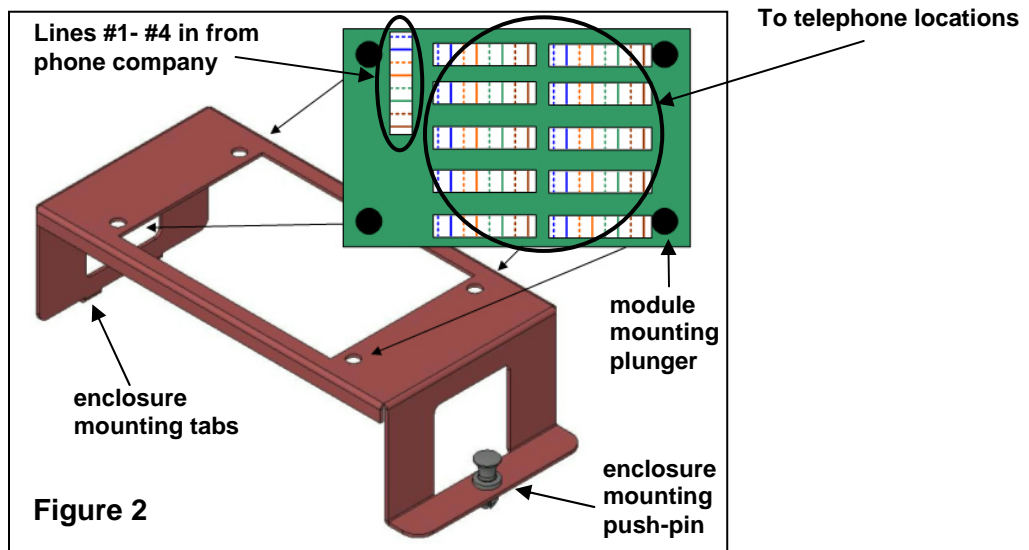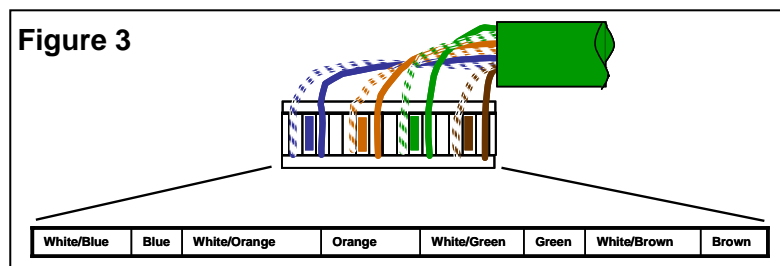

Lines #1- #4 in from phone company

To telephone locations

module mounting plunger

enclosure mounting tabs

enclosure mounting push-pin

Figure 2

301 Fulling Mill Road, Suite G
Middletown, PA 17057
Phone (800) 321-2343 / Fax (717) 702-2546
www.onqlegrand.com

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B. TERMINATE WIRING

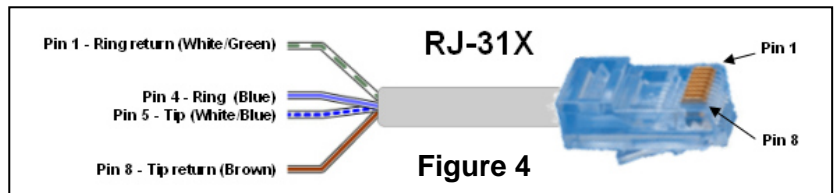**NOTE: All wiring should be terminated to the T568A wiring standard as shown in *Figure 3*.**

1. Terminate the incoming Cat 5e line from the telephone company NID to the 110 style punchdown connector that is labeled "LINE IN 1,2,3,4".

2. Terminate each Cat 5e line (up to 10 total) that will be used for each voice jack location to the 110 style punchdown connectors that are labeled "OUTLET LOCATIONS".

Figure 3

White/Blue	Blue	White/Orange	Orange	White/Green	Green	White/Brown	Brown

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C. TERMINATE AND CONFIGURE RJ-31X LINE SEIZURE (TM7554 ONLY)

NOTE: The following steps MUST be followed to use the Line Seizure option as shown in *Figures 4 & 5*.

1. Terminate a patch cable with a RJ45 on one end and bare-wire connection on the other (see *Figure 4*). 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".

RJ-31X

Pin 1 - Ring return (White/Green)
Pin 4 - Ring (Blue)
Pin 5 - Tip (White/Blue)
Pin 8 - Tip return (Brown)

Pin 1
Pin 8

Figure 4

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 (see *Figure 5*).

RJ-31X

Line 1 is fed to security equipment on pins 4&5. Line 1 is returned to the module on pins 1&8.

Line Seizure control

Inactive   Active

Figure 5