

1. Introduction

The On-Q/Legrand 1x11 Telecom Modules provide a structured method for distributing telephone service and wide area network data service throughout the house. This instruction sheet covers the 1x11 Standard Telecom Module (P/N 363484-01) and the 1x11 KSU/PBX Module (P/N 363485-01) shown in **Figure 1**. The modules can be directly mounted in any On-Q style enclosure.

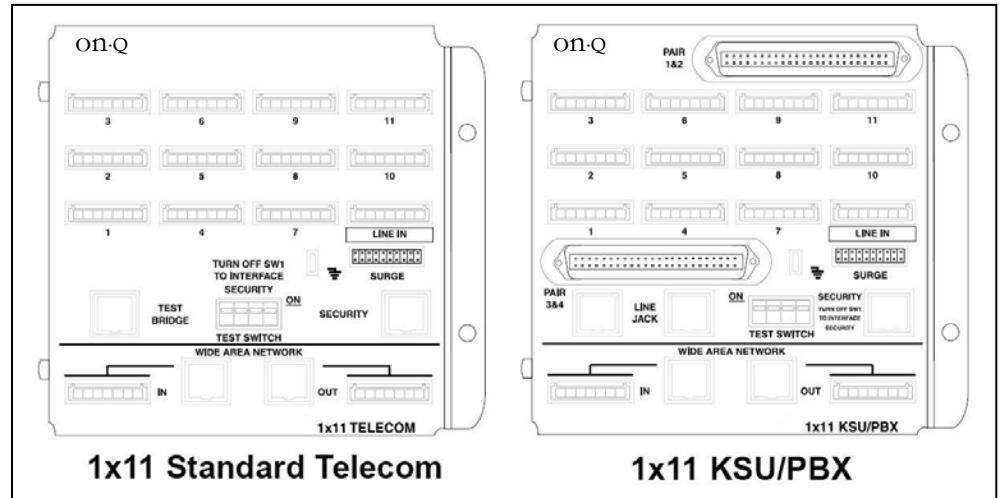


Figure 1

2. Description

Both 1x11 Telecom Modules come with one 110-style punch down connector for connecting to the 4-line incoming telecom service and eleven 110-style punch down connectors for connecting to the telecom outlets in each room. Both modules also come with a 20-pin posted connector and spade terminal for an optional surge protector (P/N 363487-01), an RJ-45 jack for test or local handset attachment, an RJ-45 jack for connection to an RJ-31x security interface and a 4-position switch to allow separation of the incoming lines from the outlets for testing purposes. Both modules also come with an identical WAN interface area with incoming and outgoing RJ-45 jacks and 110-style punch down connectors. The 1x11 KSU/PBX Module also comes with two 50-pin style telco connectors typically connected to KSU/PBXes or punch down blocks.

NOTE: This product is listed as UL 1863 – Communications Circuit Accessories and complies with General Approval NS/G/1235/W/100025.

3. Installation

- A. Mounting in enclosure (see **Figure 2**)
 - 1) Align tabs on module with slots in enclosure.
 - 2) Insert tabs by angling module away from the back of the enclosure and sliding forward.
 - 3) Rotate the module and insert fasteners on module into corresponding holes in the enclosure. (Plunger must be in the pulled out position for fastener to engage hole.)
 - 4) Push plunger in to lock module in place. Pull on module to assure module is locked properly in place.

- B. Incoming Service Cable Installation (see **Figure 3**)
 - 1) Route incoming service Cat 5e cable to "Line In" 110-style punch down block, allowing slack for bundling, and cut cable about 2" past connector.

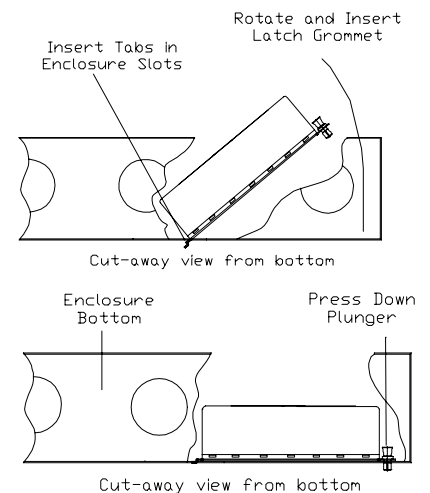


Figure 2

- 2) Strip off 4" of outer jacket and position pairs over color-coded slots of connector (see **Figure 3**).

NOTE: Do not untwist pairs.

NOTE: White wires may npt have color trace stripe. Keep white wire paired with appropriate colored wire based on twist.

- 3) Without untwisting cable, position the wires in the individual slots and punch down and trim each wire (see **Figure 3**).
- 4) Remove any excess wire and tug lightly on the cable to insure a secure punch down connection.

C. Outlet Cable Termination (see **Figure 3**)

- 1) Route outlet Cat 5e cables to numbered 110-style punch down blocks, allowing slack for bundling, and cut each cable about 2" past the associated connector.
- 2) Strip off 4" of outer jacket and position pairs over color-coded slots of connector (see **Figure 3**).

NOTE: Do not untwist pairs.

NOTE: White wires may npt have color trace stripe. Keep white wire paired with appropriate colored wire based on twist.

- 3) Without untwisting cable, position the wires in the individual slots and punch down and trim each wire (see **Figure 3**).
- 4) Remove any excess wire and tug lightly on the cable to insure a secure punch down connection.
- 5) Record room name/number on wire layout label inside the enclosure.

D. Wide Area Network Cable Termination (see **Figure 3**)

- 1) Route incoming/outgoing WAN Cat 5e cable to "In/Out" 110-style punch down block in WAN area, allowing slack for bundling, and cut the cable about 2" past the associated connector.
- 2) Strip off 4" of outer jacket and position pairs over color-coded slots of connector (see **Figure 3**).

NOTE: Do not untwist pairs.

NOTE: White wires may npt have color trace stripe. Keep white wire paired with appropriate colored wire based on twist.

- 3) Without untwisting cable, position the wires in the individual slots and punch down and trim each wire (see **Figure 3**).
- 4) Remove any excess wire and tug lightly on the cable to insure a secure punch down connection.
- 5) Complete the WAN Cable Termination by installing a Cat 5e jumper between the RJ-45 "In" jack and "Out" jack.

E. Other Applications

- 1) RJ-31x Security Interface - Connect RJ-31x cable from security system to "Security" jack and place switch #1 into the "off" position.
- 2) Surge Protection – For more details see instructions supplied with 363487-01.
- 3) PBX/KSU Wiring – For more details see instructions supplied with PBX/KSU Interface Kit (IS-0015).

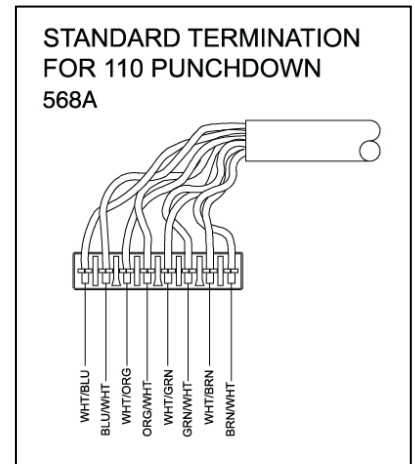


Figure 3