INSTRUCTION/INSTALLATION SHEET
Combo Modules (B Series)

301 Fulling Mill Road, Suite G
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IS-0162 REV. A

1. Introduction

The On-Q/Legrand Combo Modules provide a structured method for distributing telephone service and RF (CATV) off air signals throughout a residence. On-Q Combo Modules can be mounted directly in any On-Q style enclosures and come in several different telecom/video combinations; an example (6+8) is shown in ***Figure 1***.

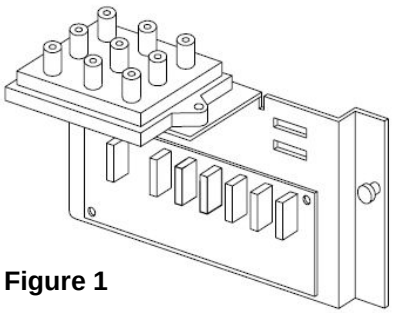

Figure 1

2. Description

The "video" portion of the Combo Module has vertical access "F" style fittings for connecting the coaxial cables.
NOTE: Table 1 shows the insertion loss associated with each version of the video portion of our Combo Modules.

Table 1

	BANDWIDTH MHz:	5-40	40-400	400-600	600-1000
4-WAY SPLITTER:	INSERTION LOSS: (dB Max.)	6.5	7	7	8
6-WAY SPLITTER:	INSERTION LOSS: (dB Max.)	9	9	10	11
8-WAY SPLITTER:	INSERTION LOSS: (dB Max.)	10	11	11	13

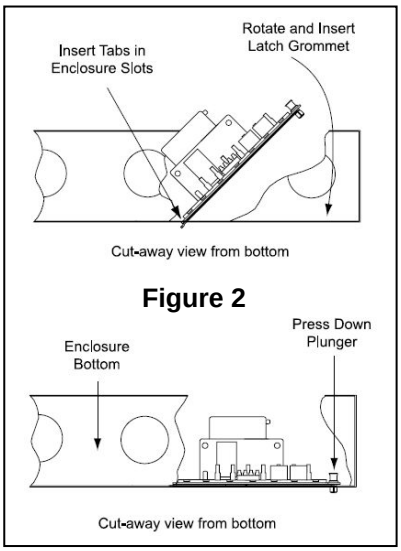

Figure 2

The "telecom" portion of the Combo Module also comes in several versions, each with 110-style punch down connections for up to 4 incoming lines and extensions. Some versions also have an RJ-31X security interface jack.
NOTE: While the Combo Module has a vertical height of 5 inches, a total of 7 vertical inches is required because of the coaxial cable connections.

3. Installation

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

B. Service Connection – Video Portion (see ***Figure 3***):
   1) Route incoming service cable to "Cable In" fitting on module.
   2) Attach an RG-6 "F" connector to the cable and connect to a fitting on the module and finger tighten.

C. Outlet Drop Connections:
   1) Route outlet cables to appropriate fittings on module.

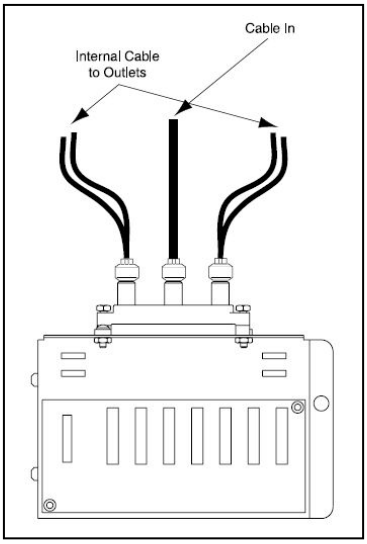

Figure 3

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2) Attach an RG-6 "F" connector to each cable and connect to a fitting on the module and finger tighten.

NOTE: Do not bend cable in less than a 2 inch radius.

NOTE: Cables should all be labeled. Record room locations for cables to the outlets.

D. Incoming Telecom Service Cable Installation (see ***Figure 4***):
   1) Route incoming service cable to "Line In" 110 punch down strip on module. Allow slack for bundling and trim cable 2 inches beyond punch down strip.
   2) Strip off approximately 4 inches of the outer jacket and position the pairs over the color coded slots on the 110 strip (see ***Figure 4***).

   NOTE: Do not untwist pairs. White wires may not have color trace stripe. Keep white wire paired with appropriate colored wire.
   3) Punch down and trim wires using a punch down tool and remove any excess wire.
   4) Tug lightly on the cable to insure wire is securely fastened.

E. Outlet Telecom Cable Termination:
   1) Route outlet telecom cables to appropriate numbered 110 punch down strips on module. Allow slack for bundling and trim cables 2 inches beyond punch down strip.
   2) Strip off approximately 4 inches of the outer jacket and position the pairs over the color coded slots on the 110 strip (see ***Figure 4***).

   NOTE: Do not untwist pairs. White wires may not have color trace stripe. Keep white wire paired with appropriate colored wire.
   3) Punch down and trim wires using a punch down tool and remove any excess wire.
   4) Tug lightly on the cable to insure wire is securely fastened.
   5) Record room names/numbers and connection numbers on wire layout label inside enclosure.

F. Securing Cables:
   1) After all cables are connected to the module, the cables should be bundled with wire management straps and grouped to allow ease of maintenance.

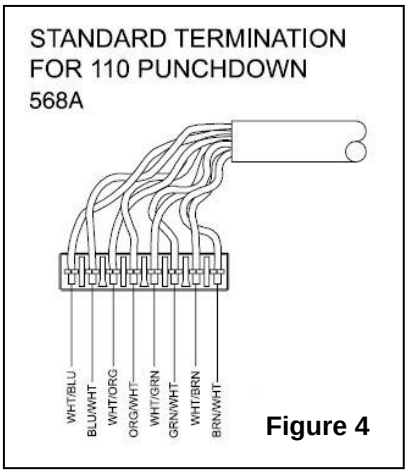

Figure 4

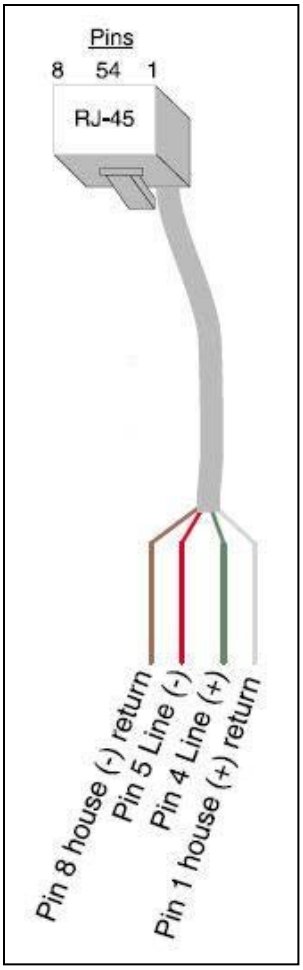

Figure 5

4. Other Applications (If Applicable)

A. Security Interface (see ***Figure 5***):
   1) To enable line seizure and dial out capability to most security systems, connect the RJ-31X cable (supplied with the security system) to the RJ-45 "Security" jack on the module. TURN OFF Line 1 to activate the security link. Connect the other end to the security system as outlined in the security system installation instructions.
   2) To disable security, remove the connector from the "Security" jack and set Line 1 to "ON".

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