



Model 2871 Multi-Dwelling VDSL2 POTS Splitter Installation Guide

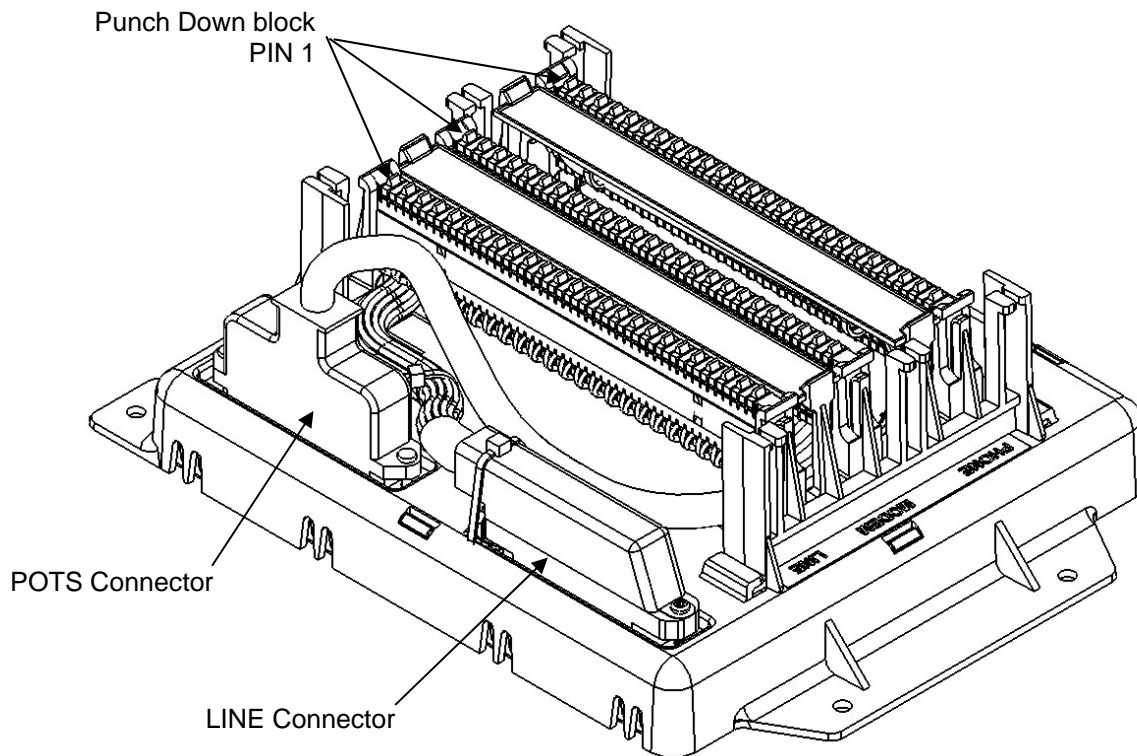
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This guide provides the basic information required to install the Comtest Model 2871 Multi-Dwelling POTS Splitter Shelf in a Multi-Dwelling location.

Installation

The 2871 requires 10 $\frac{3}{4}$ " x 8" of mounting space. Four wood screws (not supplied) are typically required for mounting on a wall. Comtest recommends the use of #8 wood screws, the length of which is determined by the thickness of the wood surface on which the 2871 is installed.

If optional Punch Down blocks are included, a BIX punch down tool – Belden PN: A0270165 – is required.



Model 2871 standard configuration with punch downs

Cabling Overview

The 2871 cabling configurations will vary depending on the installation. However, the physical interface to the Front Panel connectors are standard 50-pin RJ-21 type receptacle connectors. Each 2871 provides 25 POTS splitters terminated on each 50-pin connector (or QBIX block, if optional Punch Down Blocks are included).

Connector Pin Outs

As view from the rear of the shelf:

- Signals to and from the outside plant enter the 2871 splitter shelf using the RJ-21 connector designated 'LINE Connector'.
- Cables to and from the subscribe premises enter the 2871 splitter shelf via the PHONE RJ-21 connector, designated 'PHONE Connector'

If the optional Punch Down Blocks are included, the PHONE connections are extended from the PHONE Connector to the 'PHONE 25 Pair to Subscribers' punch down block. Also, the LINE/VDSL2 connections are extended from the LINE Connector to both the 'VDSL2 25 Pair to Subscribers' and 'LINE 25 Pair from Central Office' punch down blocks. To connect this arrangement up correctly, proceed as follows:

- Terminate 25-pair outside plant on the 'LINE 25 Pair from Central Office' punch down strip.
- Terminate 25-pair wiring POTS service to subscribers on 'PHONE 25 Pair to Subscribers' punch down strip.
- Terminate 25-pair wiring to VDSL2 service to subscribers on 'MODEM 25 Pair to Subscribers' punch down strip.

Filter No.	LINE Connector		POTS Connector	
	Tip	Ring	Tip	Ring
1	26	1	26	1
2	27	2	27	2
3	28	3	28	3
4	29	4	29	4
5	30	5	30	5
6	31	6	31	6
7	32	7	32	7
8	33	8	33	8
9	34	9	34	9
10	35	10	35	10
11	36	11	36	11
12	37	12	37	12
13	38	13	38	13
14	39	14	39	14
15	40	15	40	15
16	41	16	41	16
17	42	17	42	17
18	43	18	43	18
19	44	19	44	19
20	45	20	45	20
21	46	21	46	21
22	47	22	47	22
23	48	23	48	23
24	49	24	49	24
25	50	25	50	25

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Comtest warrants all equipment manufactured by it and bearing its nameplate to be free from defects in workmanship and materials, during normal use and service, for a period of three (3) years from the date of shipment. In the event that a defect in any such equipment arises within the warranty period it shall be the responsibility of the customer to return the equipment by prepaid transportation to a Comtest service centre prior to the expiration of the warranty period for the purpose of allowing Comtest to inspect and repair the equipment. If inspection by Comtest discloses a defect in workmanship or material it shall, at its option, repair or replace the equipment without cost to the customer, and thereafter return it to the customer by the least expensive mode of transportation the cost of which shall be prepaid by Comtest. In no event shall this warranty apply to equipment which has been modified without the written authorization of Comtest, or which has been subject to abuse, neglect, accident or improper application. If inspection by Comtest discloses that the repairs that must be made on the equipment are not covered by this warranty, the regular repair charges shall apply to any repairs made to the equipment.

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