



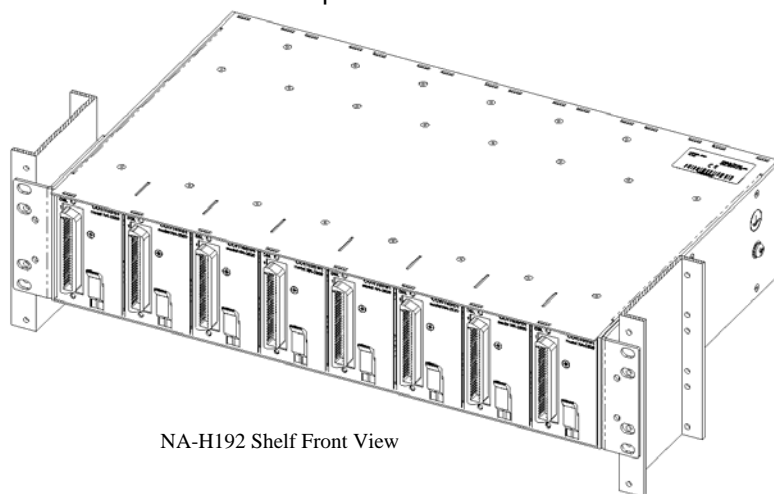
Remote POTS Splitter Installation Guide

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This guide provides the basic information required to install the H192 POTS Splitter.

Installation

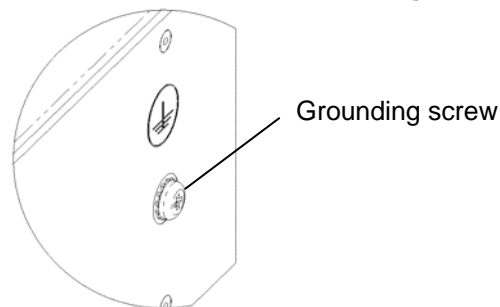
The H192 requires 2U (3.5 inches) of rack space and is centre mounted. The shelf is supplied with mounting brackets and hardware to allow installation in a 19 inch or 23 inch rack. The H192 must only be installed in restricted access locations by trained personnel.



NA-H192 Shelf Front View

Grounding

To comply with the Network Equipment Building Systems (NEBS) requirements, a suitable ground must be provided. The H192 can be grounded to the rack through a grounding screw on the right side. Grounding lugs are provided on the rear of the H192 to provide an accessible termination point for cable shield/25th pair grounds. On the front, pins 25 & 50 (the 25th pair) are grounded internally.

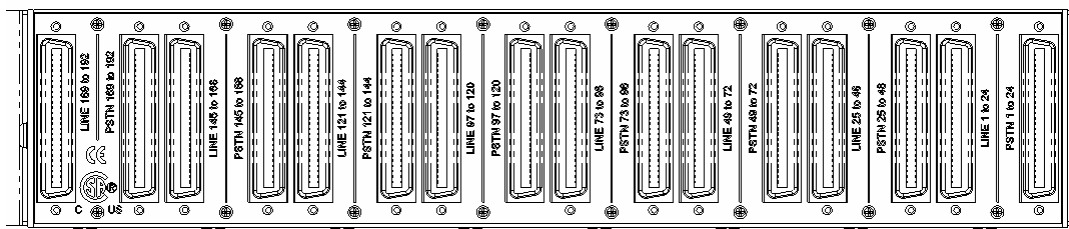


Grounding screw

Cabling Overview

The H192 Splitter Shelf cabling configurations will vary depending on installation locations and the number of lines supported by the DSLAM. The physical connectors are the standard 50-pin Amphenol-type female connectors. Each Splitter card uses 24 of the available 25 pairs on each 50-pin connector.

The DSL Interface connectors are front mounted with the LINE and POTS Interface connectors mounted on the rear of the shelf.



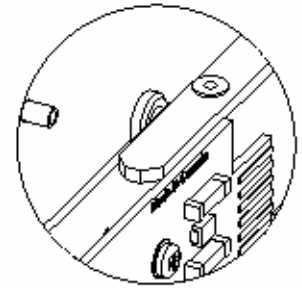
NA-H192 Shelf Back View

Each cable head should be secured with a tie wrap and the cable head screw.

Installation of Cards

The H192 has two types of splitter cards available: North American ADSL (NA-2820) & North American VDSL2 (NA-2820V). Up to 8 cards can be installed in each shelf. It is not recommended to mix the two card types in a single shelf.

To install, align the space between the two PCBs, on the splitter card, with the card guides on the shelf. When the card's gold fingers reaches the rear connectors, ensure the inserters/ejector mates with the rectangular opening on the bottom of the shelf.



Connector Pinouts

As viewed from the front of the shelf:

- Using 24 pair telephone cables, 24 high speed xDSL signals to and from the DSLAM enter the H192 splitter shelf using the DSL connector on each face plate.

As viewed from the rear of the shelf:

- Using 24 pair telephone cables, signals to and from the central office switch enter the H192 splitter shelf using the right-hand PSTN connectors.
- Using 24 pair telephone cables, signals to and from the subscriber location enter the H192 splitter shelf via the left LINE connectors.

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

Warranty

The Model H192 Splitter Shelf is covered by a 5-year warranty under normal operating conditions. Defective units should be returned to Comtest Networks where they will be replaced or repaired and returned to the user.

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