



## Features

- Expands to add POTS lines, DSL or both
- Manufactured from high-impact resistant, ultraviolet-desensitized, flame retardant plastic
- Optional sealed switching jacks with Insulation Displacement Connectors (IDC)
- Subscriber lockable with Telco override
- Convenient ground attachment
- Listed per UL 497 (File: E53117)

## 7090 Series - Network Interface Device

Bourns® 7090 NID provides a secure and weather resistant enclosure for Telco service for residential or commercial installations. The 7090 supplies station protection and test access points and can be configured for a maximum of six POTS lines or three lines with DSL. The 7090 features plenty of working space for wire management.

### How To Order

Model Number Designator \_\_\_\_\_

Number of Twisted Pairs \_\_\_\_\_

- |         |           |          |
|---------|-----------|----------|
| 1 = One | 3 = Three | 5 = Five |
| 2 = Two | 4 = Four  | 6 = Six  |

Station Protector Options \_\_\_\_\_

- |  |   |
|--|---|
| D <sup>1</sup> = 455HS-MSP (2377-45-HS) Voice/Data/DSL (UL, cUL)                                 | E <sup>2</sup> = 155HS-MSP (2378-35-HS) Voice/DSL (UL, cUL)             |
| U <sup>3</sup> = 455HS-MSP (2377-45-SP) Voice/E <sup>1</sup> /L <sup>1</sup> (UL, cUL)           | Y <sup>2</sup> = 155HS-BC* (2377-35-BC) Balance-Sensitive DSL (UL, cUL) |
| Z <sup>1</sup> = 455HS-BC* (2377-45-BC) Balance-Sensitive DSL (UL, cUL)                          | G = 155G (2377-35-G) Balance GDT, No Back-Up-Gap (UL, cUL)              |
| W <sup>3</sup> = 455HS-BC* (2377-45-BC-IDC) Balance-Sensitive DSL (UL, cUL)                      | K = 356 (2377-35-6) Balanced GDT, No Back-Up-Gap (UL, cUL)              |
| V <sup>3</sup> = 455-MSP-TBU* (2377-45-HS-TBU) MSP w/TBU® Protector (UL, cUL)                    | F = 56G (2377-36-G-IDC) Balanced GDT, No Back-Up-Gap (UL, cUL)          |
| Q <sup>3</sup> = 455B-MSP-TBU* (2377-45-BC-TBU) Balance-Sensitive MSP w/TBU® Protector (UL, cUL) | T = TIS 5M  |

\*For DSL systems requiring capacitive balance within 10pF.

Note 1 = DigiGuard™ 350 size, RUS, Maximum Duty

Note 2 = DigiGuard™ 125 size, RUS Heavy Duty

Note 3 = Insulation Displacement Connectors (IDC)

Special Options \_\_\_\_\_

- |   |  |
|---|--|
| G = Security Screw in Telco Cover             | B = Expansion Bridge w/Binding Posts (85122-B) |
| H = Security Screw in Security Plate          | I = Expansion Bridge w/IDC (85122-IDC)         |
| S = Sealed Switching Jack w/IDC (85122-T-IDC) | O = No options (standard 85122 jack)           |
| F = Sealed Switching Jack 4-Posts (85122-T4)  |  |

POTS Splitter Options \_\_\_\_\_

- |  |  |
|--|--|
| P1 = (1) 3610A2-ADSL2+ POTS Splitter, UL Listed  | P1-I = (1) 3610A2-IDC ADSL2+ POTS Splitter w/IDC, UL Listed                        |
| P2 = (2) 3610A2-ADSL2+ POTS Splitters, UL Listed | P2-I = (2) 3610A2-IDC ADSL2+ POTS Splitters w/IDC, UL Listed                       |
| P3 = (3) 3610A2-ADSL2+ POTS Splitters, UL Listed | P3-I = (3) 3610A2-IDC ADSL2+ POTS Splitters w/IDC, UL Listed                       |
| V1 = (1) 3610V2 VDSL2 POTS Splitter, UL Listed   | V1-I = (1) 3610V2-IDC VDSL2 POTS Splitter w/IDC, UL Listed                         |
| V2 = (2) 3610V2 VDSL2 POTS Splitters, UL Listed  | V2-I = (2) 3610V2-IDC VDSL2 POTS Splitters w/IDC, UL Listed                        |
| V3 = (3) 3610V2 VDSL2 POTS Splitters, UL Listed  | V3-I = (3) 3610V2-IDC VDSL2 POTS Splitters w/IDC, UL Listed                        |
|  | W1-I = (1) 3622V2-IDC VDSL2 POTS Splitter w/IDC, Subscriber Side, RJ11, UL Listed  |
|  | W2-I = (2) 3622V2-IDC VDSL2 POTS Splitters w/IDC, Subscriber Side, RJ11, UL Listed |
|  | W3-I = (3) 3622V2-IDC VDSL2 POTS Splitters w/IDC, Subscriber Side, RJ11, UL Listed |

†DSL Configuration Note:

7090 NIDs ordered with POTS splitter units must be ordered with **Special Option F** (4-post sealed switching jacks) or **Special Option S** (sealed switching jack w/IDC). Example: 7090-01-EF-P1

DSL Adapter Options \_\_\_\_\_

- |                                |
|--------------------------------|
| B1 = (1) 3670-01 BalUn Module  |
| B2 = (2) 3670-01 BalUn Modules |

To add lines, use station protector +

- |             |   |
|-------------|---|
| 85122       | Standard Jack (Not available with DSL configurations) |
| 85122-T4    | Sealed Switching Jack, 4-post                         |
| 85122-T-IDC | Sealed Switching Jack w/IDC                           |

Also available:

- |       |                 |
|-------|-----------------|
| 80535 | Conduit Adapter |
|-------|-----------------|

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

Users should verify actual device performance in their specific applications.

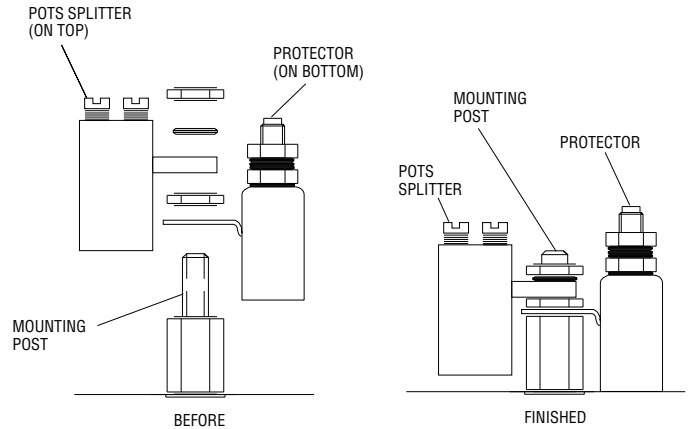
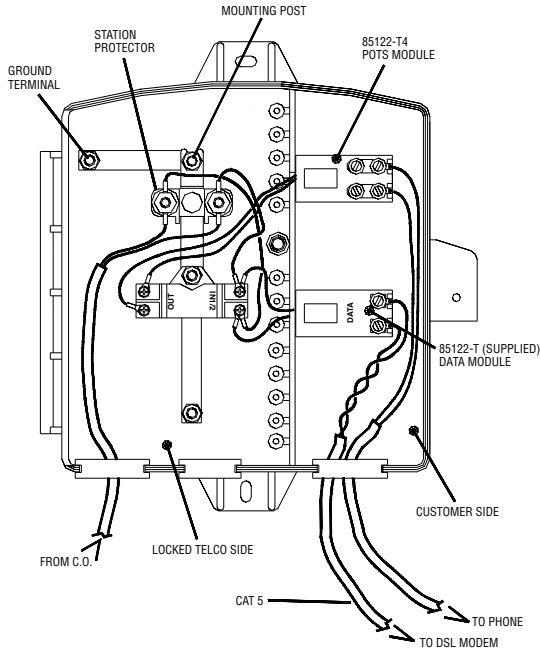
NOT IN ACCORDANCE WITH ONGOING PRODUCT LIFE CYCLE MANAGEMENT TO AN AGREEMENT TO TRANSFER ITS PRODUCT LINE TO TELECOMMUNICATIONS SERVICES INC. (TDI) EFFECTIVE 11/2019.

7090-01-XX-XX-XX

# 7090 Series - Network Interface Device

**BOURNS®**

## POTS Splitter Installation



**COMMON POST ATTACHMENT (7090 / 7091)**

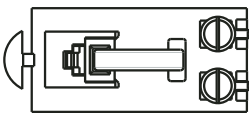
## Product Dimensions

High	Wide	Deep
$\frac{229}{(9.0)}$	$\frac{216}{(8.5)}$	$\frac{69}{(2.7)}$

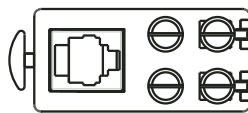
DIMENSIONS:  $\frac{\text{MM}}{\text{(INCHES)}}$

## RJ11 Subscriber Bridges

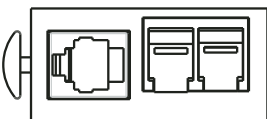
**85122 Standard Loop**



**85122-T4\* Internal Switch - 4 Lugs**

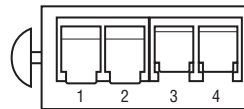


**85122-T-IDC\* Sealed Switch Jack w/IDC**

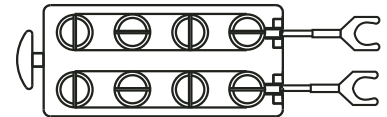


## Expansion Bridges

**85122-IDC Insulation Displacement Connectors**



**85122-B Binding Post**



\*Includes environmental sealant and closed-cell foam gasket.

REV. M 04/15

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.