




BOURNS®

Features

- Expands to add POTS lines, DSL or both
- Manufactured from high-impact resistant, ultraviolet-desensitized, flame retardant, UL Recognized 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

7090 - 0X - X X - XX - XX

Model Number Designator _____

Number of Twisted Pairs _____

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

Station Protector Options _____

D¹ = 455HS-MSP (2377-45-HS) Voice/Data/DSL (UL, cUL)
 U³ = 455HS-MSP (2377-45-HS-IDC) Voice/DSL/Data (UL, cUL)
 Z¹ = 455HS-BC* (2377-45-BC) Balance-Sensitive DSL (UL, cUL)
 W³ = 455HS-BC* (2377-45-BC-IDC) Balance-Sensitive DSL (UL, cUL)
 V³ = 455-MSP-TBU* (2377-45-HS-TBU) MSP w/TBU® Protector (UL, cUL)
 Q³ = 455BC-MSP-TBU* (2377-45-BC-TBU) Balance-Sensitive MSP w/TBU® Protector (UL, cUL)
 E² = 155HS-MSP (2378-35-HS) Voice/DSL/Data (UL, cUL)
 Y² = 155HS-BC* (2378-35-BC) Balance-Sensitive DSL (UL, cUL)
 K = 356G (2377-35-G) Balanced GDT, No Back-Up-Gap (UL, cUL)
 R³ = 356G (2377-35-G-IDC) Balanced GDT, No Back-Up-Gap (UL, cUL)
 B = 125EW (2374-01) Dual Gas Tube (UL, cUL, Telcordia)
 C = 125EW-R (2375-01) Dual Gas Tube (UL, cUL, RUS)
 L = 356M (2377-01) Balanced Gas Tube (UL, cUL, RUS)
 T = Tii355M
 O = No Station Protectors (Not available with DSL configurations)

*For DSL systems requiring capacitive balance within 1 pF.

Note 1 = Digi.Guard - 356 size, RUS Maximum Duty.

Note 2 = Digi.Guard II - 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-Post (85122-T4)	

DSL Options† _____

P1 = (1) 3610A2 ADSL 2+ POTS Splitter, UL Listed	P1-I = (1) 3610A2-IDC ADSL2+ POTS Splitter w/IDC, UL Listed
P2 = (2) 3610A2 ADSL 2+ POTS Splitters, UL Listed	P2-I = (2) 3610A2-IDC ADSL2+ POTS Splitters w/IDC, UL Listed
P3 = (3) 3610A2 ADSL 2+ POTS Splitters, UL Listed	P3-I = (3) 3610A2-IDC ADSL2+ POTS Splitters w/IDC, UL Listed
V1 = (1) 3610V2 VDSL 2 POTS Splitter, UL Listed	V1-I = (1) 3610V2-IDC VDSL2 POTS Splitter w/IDC, UL Listed
V2 = (2) 3610V2 VDSL 2 POTS Splitters, UL Listed	V2-I = (2) 3610V2-IDC VDSL2 POTS Splitter w/IDC, UL Listed
V3 = (3) 3610V2 VDSL 2 POTS Splitters, UL Listed	V3-I = (3) 3610V2-IDC VDSL2 POTS Splitter w/IDC, UL Listed

†DSL Configuration Note:

7090 NIDs ordered with DSL 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	R1 = (1) 3660 Equalization Module
B2 = (2) 3670-01 BalUn Modules	R2 = (2) 3660 Equalization 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:

80535Conduit Adapter

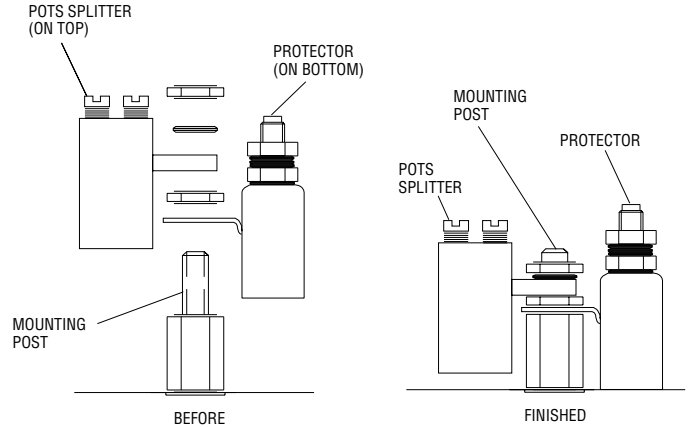
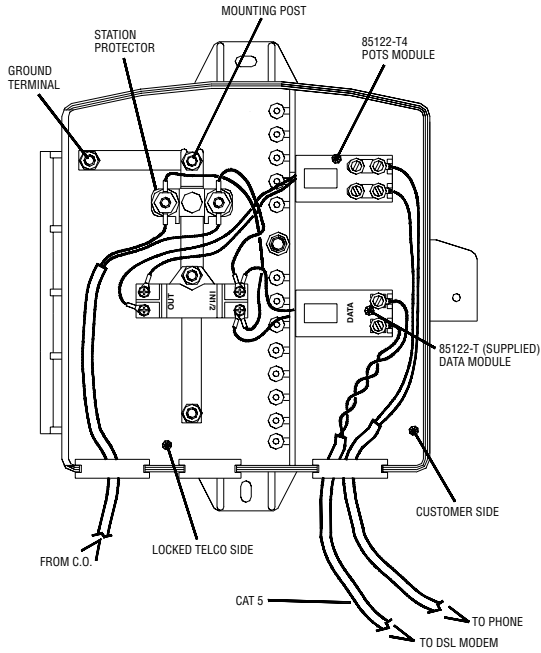
Specifications are subject to change without notice.

Customers should verify actual device performance in their specific applications.

7090 Series - Network Interface Device

BOURNS®

POTS Splitter Installation



COMMON POST ATTACHMENT (7090 / 7091)

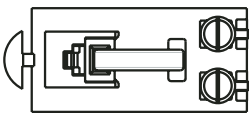
Product Dimensions

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

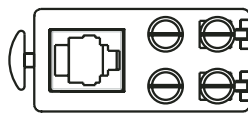
DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$

RJ11 Subscriber Bridges

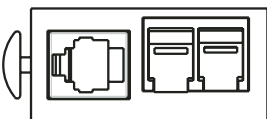
85122 Standard Loop



85122-T4* Internal Switch - 4 Lugs

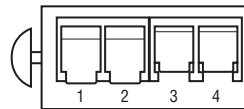


85122-T-IDC* Sealed Switch Jack w/IDC

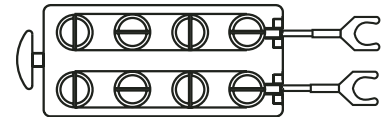


Expansion Bridges

85122-IDC Insulation Displacement Connectors



85122-B Binding Post



*Includes environmental sealant and closed-cell foam gasket.

REV. J 10/11

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