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 (IDCs)
- Subscriber lockable with Telco override
- Convenient ground attachment
- (UL) Listed per UL 497 (File: E53117)

BOURNS®

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
D[1] = 455HS-MSP (2377-45-HS) Voice / DSL / Data (UL, cUL)
Z[1] = 455HS-BC* (2377-45-BC) Balance-Sensitive DSL (UL, cUL)
E[2] = 155HS-MSP (2378-35-HS) Voice / DSL / Data (UL, cUL)
Y[2] = 155HS-BC* (2378-35-BC) Balance-Sensitive DSL (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)
M = J130S (2380-27-01) Solid State Protector (UL, cUL)
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

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

DSL Options[†]
A1 = (1) 3610A ADSL POTS Splitter	P1 = (1) 3610A2 DSL 2+ POTS Splitter	V1 = (1) 3630A VDSL POTS Splitter
A2 = (2) 3610A ADSL POTS Splitters	P2 = (2) 3610A2 DSL 2+ POTS Splitters	V2 = (2) 3630A VDSL POTS Splitters
A3 = (3) 3610A ADSL POTS Splitters	P3 = (3) 3610A2 DSL 2+ POTS Splitters	V3 = (3) 3630A VDSL POTS Splitters

[†] **DSL Configuration Note:**
The **3610A, 3610A2** and **3630A** must be ordered with options **D, Z, E or Y** Station Protectors. 7090 NIDs ordered with DSL units will include **Special Option F** (4-post sealed switching jacks). Example: 7090-01-EF-A1

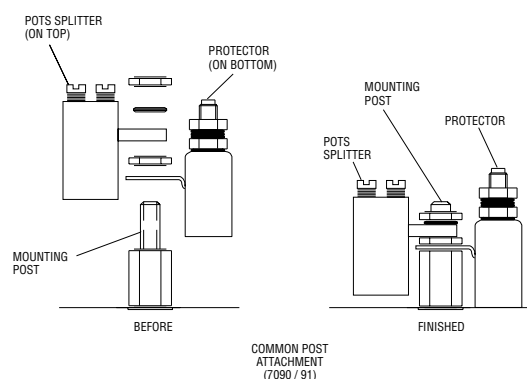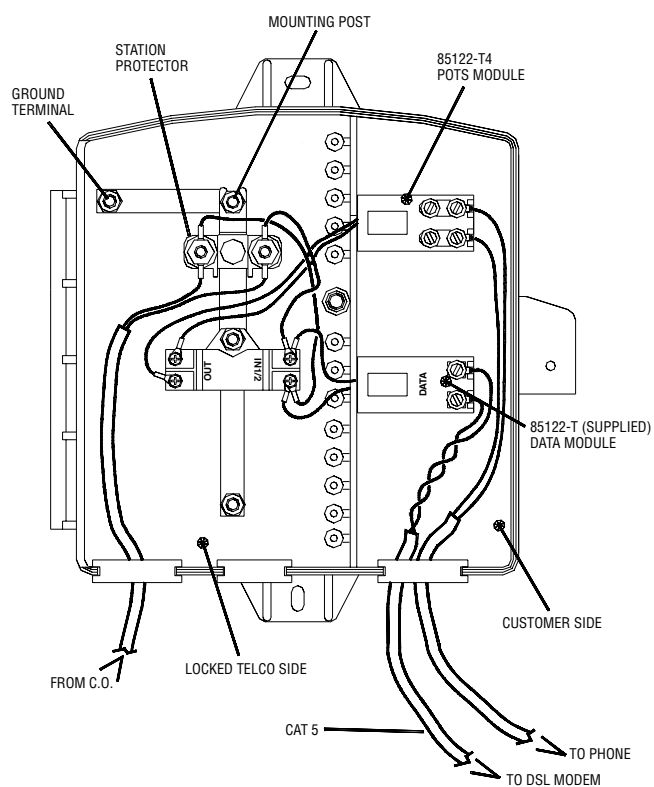**DSL Equalization Option**
R1 = (1) 3660 Equalization Module

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

Specifications are subject to change without notice.

7090 Series – Network Interface Device

BOURNS®

POTS Splitter Installation

GROUND TERMINAL
STATION PROTECTOR
MOUNTING POST
85122-T4 POTS MODULE
85122-T (SUPPLIED) DATA MODULE
CUSTOMER SIDE
LOCKED TELCO SIDE
FROM C.O.
CAT 5
TO PHONE
TO DSL MODEM

POTS SPLITTER (ON TOP)
PROTECTOR (ON BOTTOM)
MOUNTING POST
MOUNTING POST
POTS SPLITTER
PROTECTOR
BEFORE
FINISHED

COMMON POST ATTACHMENT (7090 / 91)

Product Dimensions

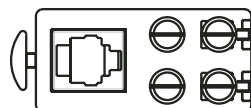| High	Wide	Deep
229	216	69
(9.0)	(8.5)	(2.7)

DIMENSIONS: $\dfrac{MM}{(INCHES)}$
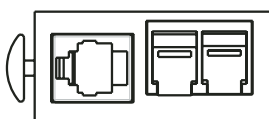
RJ11 Subscriber Bridges

**85122
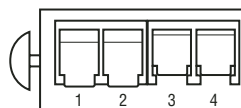Standard Loop**
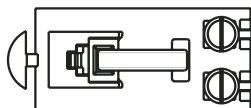
**85122-T4*
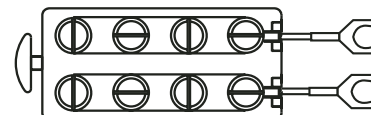Internal Switch - 4 Lugs**

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

Expansion Bridges

**85122-IDC
Insulation Displacement
Connectors**

1 2 3 4

**85122-B
Binding Post**

*Includes environmental sealant and closed-cell foam gasket.

Specifications are subject to change without notice.