



### Features

- Accepts Bourns DSL POTS Splitters, Station, & Coaxial Protectors
- Manufactured from high-impact resistant, ultraviolet-desensitized, flame retardant, UL Listed plastic
- Optional 2 - or 4 - post Sealed Switching Jacks (RJ11)
- Subscriber lockable with Telco override provision
- Provision for easy ground attachment
- (UL) Listed per UL 497 (File: E53117)

## 7091 Series – Network Interface Device

Bourns Model 7091 NID provides a secure and weather resistant enclosure for single or multi-line residential or commercial application. The 7091 is designed for termination and protection various combinations of subscriber services including Twisted Pair, ADSL, VDSL and Coaxial lines.

#### How To Order

**7091 - X X - X X X - XX**

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

**Number of Coax Lines** \_\_\_\_\_  
 0 = None      3 = Includes **One 1740** Coax Protector  
 4 = Includes **Two 1740** Coax Protectors

**Number of Twisted Pair Lines** \_\_\_\_\_  
 1 = One line    3 = Three lines  
 2 = Two lines   4 = Four lines

**Station Protector Options** \_\_\_\_\_  
 D<sup>1</sup> = 455HS-MSP (2377-45-HS) Broadband Voice/Data Services  
 Z<sup>1</sup> = 455HS-BC\* (2377-45-BC) Balance-Sensitive DSL Systems  
 E = 155HS-MSP (2378-35-HS) Broadband Voice/Data  
 Y = 155HS-BC\* (2378-35-BC) Balance-Sensitive DSL Systems

B = 125EW (2374-01) Sealed Gas Tube (UL, Bellcore)  
 C = 125EW-R (2375-01) Sealed Gas Tube (REA, UL, CSA)  
 L = 356M (2377-01) Sealed 3-Pole Gas Tube (REA, UL, CSA)  
 M = J130S (2380-27-01) Solid State (UL)  
 T = Tii355M (2377-01)  
 O = No Station Protectors

\*For DSL systems requiring capacitive balance ≤ 1pF

**Special Options** \_\_\_\_\_  
 B = Binding screws for Station Electronics  
 G = Security Screw in Telco Cover  
 H = Security Screw in Security Plate  
 I = IDC Type Expansion Bridge - 4 Jacks (85122-IDC)  
 T = Sealed Switching Jack 2-post (85122-T)  
**F = Sealed Switching Jack 4-post (85122-T4)**  
 O = No Options

**Coax Protector Type** \_\_\_\_\_  
 2 = 1740-15 (150V±20% DC Breakdown @ 100V/Sec)  
 3 = 1740-23 (230V±20% DC Breakdown @ 100V/Sec)  
 4 = 1740-35 (350V±20% DC Breakdown @ 100V/Sec)

**DSL Options\*** (2 DSL Lines Maximum) \_\_\_\_\_  
 A1 = (1) 3610A ADSL POTS Splitter      V1 = (1) 3630A VDSL POTS Splitter  
 A2 = (2) 3610A ADSL POTS Splitters      V2 = (2) 3630A VDSL POTS Splitters

#### Product Dimensions

| High           | Wide           | Deep          |
|----------------|----------------|---------------|
| 228.6<br>(9.0) | 215.9<br>(8.5) | 63.5<br>(2.5) |

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

#### \*DSL Configuration Note:

The **3610A** or **3630A** can **only** be ordered in 1 or 2 line configurations and must be ordered with option **D**, **Z**, **E** or **Y** Station Protectors. 7091 NIDs ordered with a DSL option will include **Special Option F** (sealed 4-post switching jack).

To add lines, use upgrade kits:  
 #85122 Standard Jack  
 (Not available with DSL Options)

- 85122-RET-1 Sealed RJ11 - 1 Line
- 85122-RET-2 Sealed RJ11 - 2 Lines



# 7091 Series – Network Interface Device

**BOURNS®**

## Configuration Information

### NO COAX

|                              |   | Number of 3610A ADSL* POTS Splitters Installed |                |                |
|------------------------------|---|--|----------------|----------------|
|                              |   | NONE   | ONE            | TWO            |
| Number of Twisted Pair Lines | 1 | 7091-01-XXX                                    | 7091-01-AFX-A1 | N/A            |
|                              | 2 | 7091-02-XXX                                    | 7091-02-AFX-A1 | 7091-02-AFX-A2 |
|                              | 3 | 7091-03-XXX                                    | 7091-03-AFX-A1 | N/A\           |
|                              | 4 | 7091-04-XXX                                    | N/A            | N/A            |

\* For 3630A VDSL, replace A1 / A2 with V1 / V2

### Important DSL Ordering Notes:

3610A or 3630A DSL POTS Splitters must be ordered with **Station Protector Options D, Z, E or Y only.**

7090 NIDs ordered with either 3610A or 3630A will include **Special Option F** (sealed 4-post switching jack).

### ONE COAX

|                              |   | Number of 3610A ADSL* POTS Splitters Installed |                |                |
|------------------------------|---|--|----------------|----------------|
|                              |   | NONE   | ONE            | TWO            |
| Number of Twisted Pair Lines | 1 | 7091-31-XXX                                    | 7091-31-AFX-A1 | N/A            |
|                              | 2 | 7091-32-XXX                                    | 7091-32-AFX-A1 | 7091-32-AFX-A2 |
|                              | 3 | 7091-33-XXX                                    | 7091-33-AFX-A1 | N/A\           |
|                              | 4 | 7091-34-XXX                                    | N/A            | N/A            |

\* For 3630A VDSL, replace A1 / A2 with V1 / V2

### TWO COAX

|                              |   | Number of 3610A ADSL* POTS Splitters Installed |                |                |
|------------------------------|---|--|----------------|----------------|
|                              |   | NONE   | ONE            | TWO            |
| Number of Twisted Pair Lines | 1 | 7091-41-XXX                                    | 7091-41-AFX-A1 | N/A            |
|                              | 2 | 7091-42-XXX                                    | 7091-42-AFX-A1 | 7091-42-AFX-A2 |
|                              | 3 | 7091-44-XXX                                    | 7091-43-AFX-A1 | N/A\           |
|                              | 4 | 7091-44-XXX                                    | N/A            | N/A            |

\* For 3630A VDSL, replace A1 / A2 with V1 / V2



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