### 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

#### 7090 Series - Network Interface Device

<table>
<thead>
<tr>
<th>Model Number Designator</th>
<th>Number of Twisted Pairs</th>
<th>Station Protector Options</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 = One</td>
<td>D = 455HS-MSP (2377-45-HS) Voice/Data/DSL (UL, cUL)</td>
</tr>
<tr>
<td></td>
<td>2 = Two</td>
<td>E = 455HS-BC (2377-45-BC) Balanced Sensitive DSL (UL, cUL)</td>
</tr>
<tr>
<td></td>
<td>3 = Three</td>
<td>F = 455HS-BC (2377-45-BC-IDC) Balanced B-Sensitive DSL (UL, cUL)</td>
</tr>
<tr>
<td></td>
<td>4 = Four</td>
<td>G = 455HS-BC (2377-45-BC-IDC) Balanced GDT, Balanced GDT, Balanced GDT (UL, cUL)</td>
</tr>
<tr>
<td></td>
<td>5 = Five</td>
<td>H = 455HS-BC (2377-45-BC-IDC) Balanced GDT, Balanced GDT, Balanced GDT (UL, cUL)</td>
</tr>
<tr>
<td></td>
<td>6 = Six</td>
<td>I = 455HS-BC (2377-45-BC-IDC) Balanced GDT, Balanced GDT, Balanced GDT (UL, cUL)</td>
</tr>
</tbody>
</table>

- **D** = 455HS-MSP (2377-45-HS) Voice/Data/DSL (UL, cUL)
- **E** = 455HS-BC (2377-45-BC) Balanced Sensitive DSL (UL, cUL)
- **F** = 455HS-BC (2377-45-BC-IDC) Balanced B-Sensitive DSL (UL, cUL)
- **G** = 455HS-BC (2377-45-BC-IDC) Balanced GDT, Balanced GDT, Balanced GDT (UL, cUL)

### Special Options
- **G** = Security Screw in Telco Cover
- **B** = Expansion Bridge w/Binding Posts (85122-B)
- **I** = Expansion Bridge w/IDC (85122-IDC)
- **O** = No options (standard 85122 jack)

### POTS Splitter Options

<table>
<thead>
<tr>
<th>P1 = (1) 3610V2 VDSL 2 POTS Splitters, UL Listed</th>
<th>P1-I = (1) 3610A2-IDC ADSL2+ POTS Splitter w/IDC, UL Listed</th>
</tr>
</thead>
<tbody>
<tr>
<td>P2 = (2) 3610V2 VDSL 2 POTS Splitters, UL Listed</td>
<td>P2-I = (2) 3610A2-IDC ADSL2+ POTS Splitters w/IDC, UL Listed</td>
</tr>
<tr>
<td>P3 = (3) 3610V2 VDSL 2 POTS Splitters, UL Listed</td>
<td>P3-I = (3) 3610A2-IDC ADSL2+ POTS Splitters w/IDC, UL Listed</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>B1 = (1) 3670-01 BalUn Module</th>
<th>Also available:</th>
</tr>
</thead>
<tbody>
<tr>
<td>B2 = (2) 3670-01 BalUn Modules</td>
<td>80535 Conduit Adapter</td>
</tr>
</tbody>
</table>

**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. 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.

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PRODUCER'S AGREEMENT WITH ONGOING PRODUCT INFRINGEMENT BY BOURNS INC. TDI EFFECTIVE 4/1/2019.

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NOT FOR REPRODUCTION OR COMMUNICATION
7090 Series - Network Interface Device

POTS Splitter Installation

Product Dimensions

<table>
<thead>
<tr>
<th></th>
<th>High</th>
<th>Wide</th>
<th>Deep</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>229</td>
<td>216</td>
<td>69</td>
</tr>
<tr>
<td></td>
<td>(9.0)</td>
<td>(8.5)</td>
<td>(2.7)</td>
</tr>
</tbody>
</table>

DIMENSIONS: 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

85122-B Binding Post

*Includes environmental sealant and closed-cell foam gasket.

REV. M 04/15

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