### Features
- Accepts Bourns® DSL POTS Splitters, Station, & Coaxial Protectors
- 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)

### 7091 Series - Network Interface Device

**Bourns® Model 7091 NID** provides a secure and weather resistant enclosure for Telco service for residential or commercial installations. The 7091 is designed for termination and protection of various combinations of subscriber services including Twisted Pair, DSL and Coaxial lines. The 7091 features plenty of working space for wire management.

### How To Order

<table>
<thead>
<tr>
<th>Model Number Designator</th>
<th>7091 - X X - X X - X X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Coax Protectors</td>
<td>0 = None  3 = One 1740-xx Coax Protector  4 = Two 1740-xx Coax Protectors</td>
</tr>
<tr>
<td>Number of Twisted Pairs</td>
<td>1 = One  2 = Two  3 = Three  4 = Four</td>
</tr>
</tbody>
</table>

**Station Protector Options**
- **D**: 455HS-MSP (2377-45-HS) Voice/Data/DSL (UL, cUL)
- **U**: 455HS-MSP (2377-45-HS-IDC) Voice/Data/DSL (UL, cUL)
- **Z**: 455HS-BC* (2377-45-BC) Balance-Sensitive DSL (UL, cUL)
- **W**: 455HS-BC* (2377-45-BC-IDC) Balance-Sensitive DSL (UL, cUL)
- **V**: 455-MSP-TBU (2377-45-HS-TBU) TBU Protectors (UL, cUL)
- **Q**: 455BC-MSP-TBU* (2377-45-BC-TBU) Balance-Sensitive MSP w/TBU® Protector (UL, cUL)
- **E**: 155HS-MSP (2378-35-HS) Voice/DSL/Data (UL, cUL)
- **Y**: 155HS-BC* (2378-35-BC) Balance-Sensitive DSL (UL, cUL)
- **G**: 155G (2378-35-G) Balanced GDT, No Backup-Gap (UL, cUL)
- **K**: 356G (2377-35-G) Balanced GDT, No Backup-Gap (UL, cUL)
- **R**: 356G (2377-35-G-IDC) Balanced GDT, No Backup-Gap (UL, cUL)
- **T**: Tii355M
- **O**: No Station Protectors (Not available with DSL configurations)

**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)
- **N**: 90 ° F-connector (85901)

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

**POTS Splitter Options**
- **A1**: One 3610A ADSL POTS Splitter
- **A2**: Two 3610A ADSL POTS Splitters
- **P1**: One 3610A2 ADSL 2+ POTS Splitter
- **P2**: Two 3610A2 ADSL 2+ POTS Splitters
- **V1**: One 3630A VDSL POTS Splitter
- **V2**: Two 3630A VDSL POTS Splitters

**DSL Configuration Note:**
- The POTS Splitter options must be ordered with option D, Z, E or Y Station Protectors.
- 7091 NIDs ordered with DSL units will include Special Option F (4-post sealed switching jack). Example: 7091-31-EF2-A1

### Specifications
- 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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**NOTICE: In accordance with ongoing PRODUCT REMOVAL, Bourns has entered its FINAL INVENTORY INTO TELECOMMUNICATION DEVICE PROGRAMS INC. (TDI) EFFECTIVE 1/1/2019.**

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85122 Standard Jack (Not available with DSL configurations)
85122-T4 Sealed Switching Jack, 4-post
85122-T-IDC Sealed Switching Jack w/IDC
7091 Series - Network Interface Device

Installation Diagrams

Product Dimensions

<table>
<thead>
<tr>
<th>High</th>
<th>Wide</th>
<th>Deep</th>
</tr>
</thead>
<tbody>
<tr>
<td>228.6</td>
<td>215.9</td>
<td>69</td>
</tr>
</tbody>
</table>

DIMENSIONS: MM (INCHES)

RJ11 Subscriber Bridges

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>85122</td>
<td>Standard Loop</td>
</tr>
<tr>
<td>85122-T4*</td>
<td>Internal Switch - 4 Lugs</td>
</tr>
<tr>
<td>85122-T-IDC*</td>
<td>Sealed Switch Jack w/IDC</td>
</tr>
</tbody>
</table>

Expansion Bridges

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>85122-IDC</td>
<td>Insulation Displacement Connectors</td>
</tr>
<tr>
<td>85122-B</td>
<td>Binding Post</td>
</tr>
</tbody>
</table>

*Includes environmental sealant and closed-cell foam gasket.

REV. N 04/15

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