

## P131 NID

### Network Interface Device

#### 1.0 GENERAL PRODUCT INFORMATION

The Subscriber Network Interface Device (NID) provides a demarcation point between the telephone service providers network and up to 2 subscribers telephone wires. The NID (Figure 5) contains up to two station protectors\* (Figure 6) and up to 2 Demarcation Modules.

Each IDC station protector can connect one pair of 26-22 AWG central office (CO) wires. Each demarcation module can make four subscriber extension line connections.

Protectors\* are equipped with RJ11 covered subscriber test jacks.

The P131 NID can be mounted on a wall, pipe or pole.

#### 2.0 Warning

- Use company approved safety practices and equipment.
- Use only solid conductors. **STRANDED WIRE CANNOT BE USED!**

#### 3.0 NID Contents

A plastic housing containing up to two protectors\* and up to 2 Demarcation Modules.

#### 4.0 Mounting Materials Required

- Tool used to open the housing's telco side
- Screwdriver
- Bond clamp

#### 5.0 INSTALLATION INSTRUCTIONS

##### 5.1 Open the Door of the Housing

- a) For wall or wooden pole installations, install 2 screws through the mounting tab slots on the housing (see Figure 5).
- b) For concrete pole or pipe mounting, install straps through the slots on the mounting tabs and around the pipe or pole.

##### 5.2 Cable Routing & Installation

1. Route ground wire into the housing through either the rear knockouts or entry ports. Terminate the ground wire on ground post.
2. Route central office drop wire through left entry port grommet.
3. Prepare (CO) drop wire, install bond clamp using approved industry standards, route conductors to the 'IN' portion of the protector\*. Ground wire can be secured in place using tie-wrap through the slotted clamp below the left grommet.
4. Route subscriber wire into housing through right grommet.
5. Strip outer insulation from subscriber wire exposing conductors.
6. Secure subscriber wire in place by installing a tie-wrap through the slotted clamp below the left grommet.

##### 5.3 Connect Subscriber Wire to Demarcation Module

1. Cut a twisted pair of wires 5" long.
2. Open the 'IN' portion Demarcation Module. (Figure 1)
3. Insert wire into color coded entry ports and visually inspect to ensure wire is inserted fully.
4. Close firmly.

##### 5.4 Connecting Demarcation Block to the OUT of the Protector

Install the other end of the twisted pair into 'OUT' position of the protector\* (Figure 6)

##### 5.5 Connect CO Wire to the Protector

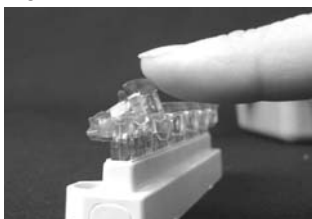
Insert cable pair into the 'IN' section of the protector\* (Figure 6)

##### 6.0 Testing

To test central office (c.o.) wire pair. Insert test clip into test ports.

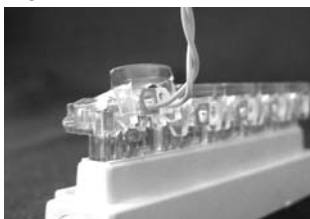
**\* NOTE: Protectors are: ST356, PR356 or other equivalent product**

Figure 1



Open Demarcation Module.

Figure 2



Insert wire into color coded module entry ports.

Figure 3



Visually inspect to ensure wire is inserted fully.

Figure 4



Close Demarcation Module.

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