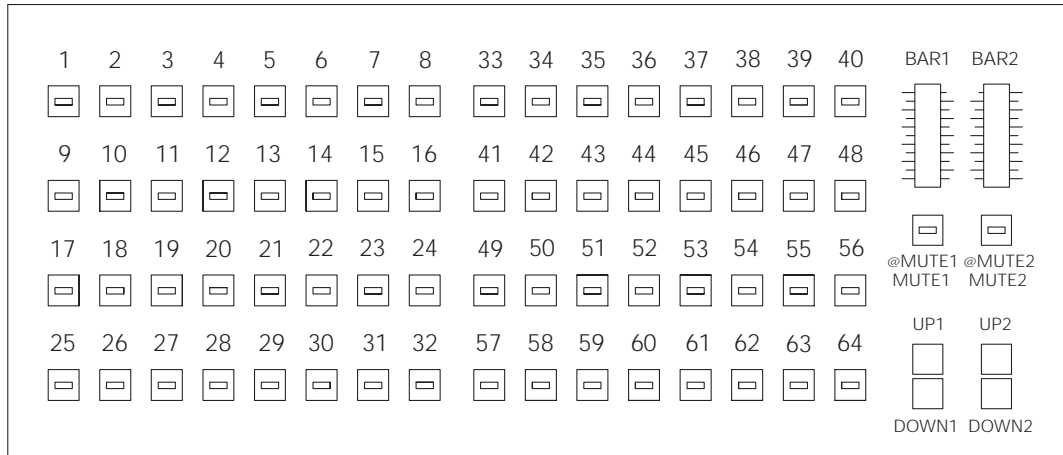


**DESCRIPTION:**

The CNWP series of wired panels, illustrated in figure 1, interfaces with a CRESNET II control system over the CRESNET II network. The panels use miniature pushbuttons with self-contained feedback LEDs. Some models include bargraph indicators. The CNWP panels are designed for lectern mounting and are also available premounted in consolettes with black trim. Custom panel finishes, engraving, colored button caps, and the omission of unused buttons are all standard.



**Figure 1. CNWP Series of Wired Panels**

**Configuration Differences**

There are six wired panel configurations available and selection depends on type of installation (lectern or consolette), number of buttons, and number of bargraphs. A configuration, CNWP, is defined by its suffix. The number of buttons is identified by a dash and number. A "B" following the button suffix indicates consolette versus lectern installation. If the suffix contains "BG2" before the button suffix, there are two bargraphs on the unit. Refer to table 1 for a concise listing of each wired panel configuration.

**Table 1. Wired Panel Configurations**

| CONFIGURATION | INSTALLATION | BUTTONS | BARGRAPHS |
|---------------|--------------|---------|-----------|
| CNWP-32       | Lectern      | 32      | None      |
| CNWP-64       | Lectern      | 64      | None      |
| CNWPBG2-32    | Lectern      | 32      | Two       |
| CNWPBG2-64    | Lectern      | 64      | Two       |
| CNWP-32B      | Consolette   | 32      | None      |
| CNWPBG2-32B   | Consolette   | 32      | Two       |

**LEADING SPECIFICATIONS:**

Table 2 provides a summary of leading specifications for wired panels. Dimensions and weight are approximations rounded to the nearest tenth unit.

**Table 2. Leading Specifications**

| SPECIFICATION   | DETAILS  |
|---|--|
| CRESNET II Workshop   | Version 3.40 or later                                |
| CRESNET II Operating System   | SR30160.OPS or later                                 |
| Cresnet Power Factor (CNWP-32)  | 3.0 Watts  |
| (CNWP-64)   | 5.5 Watts  |
| (CNWPBG2-32)  | 4.0 Watts  |
| (CNWPBG2-64)  | 6.5 Watts  |
| (CNWP-32B)  | 3.0 Watts  |
| (CNWPBG2-32B)   | 4.0 Watts  |
| Dimensions & Weight:  |  |
| Permit 4.0 inch (10.2 cm) depth for all lectern-mounted units. Consult factory for lectern cut-out information. |  |
| CNWP-32   | Height: 5.5 in (14.0 cm)<br>Width: 5.8 in (14.6 cm)  |
| CNWP-64   | Height: 5.5 in (14.0 cm)<br>Width: 10.8 in (27.3 cm) |
| CNWPBG2-32  | Height: 5.5 in (14.0 cm)<br>Width: 8.3 in (21.0 cm)  |
| CNWPBG2-64  | Height: 5.5 in (14.0 cm)<br>Width: 12.5 in (31.8 cm) |
| CNWP-32B  | Height: 6.1 in (15.6 cm)<br>Width: 6.4 in (16.2 cm)  |
| CNWPBG2-32B   | Height: 6.1 in (15.6 cm)<br>Width: 8.9 in (22.5 cm)  |

**INSTALLATION/SETUP:**

**Identity Code**

Each unique panel or component on the CRESNET II network requires the setting of an identity code (ID CODE). ID CODES are two-digit hexadecimal numbers, from 03 to FE.

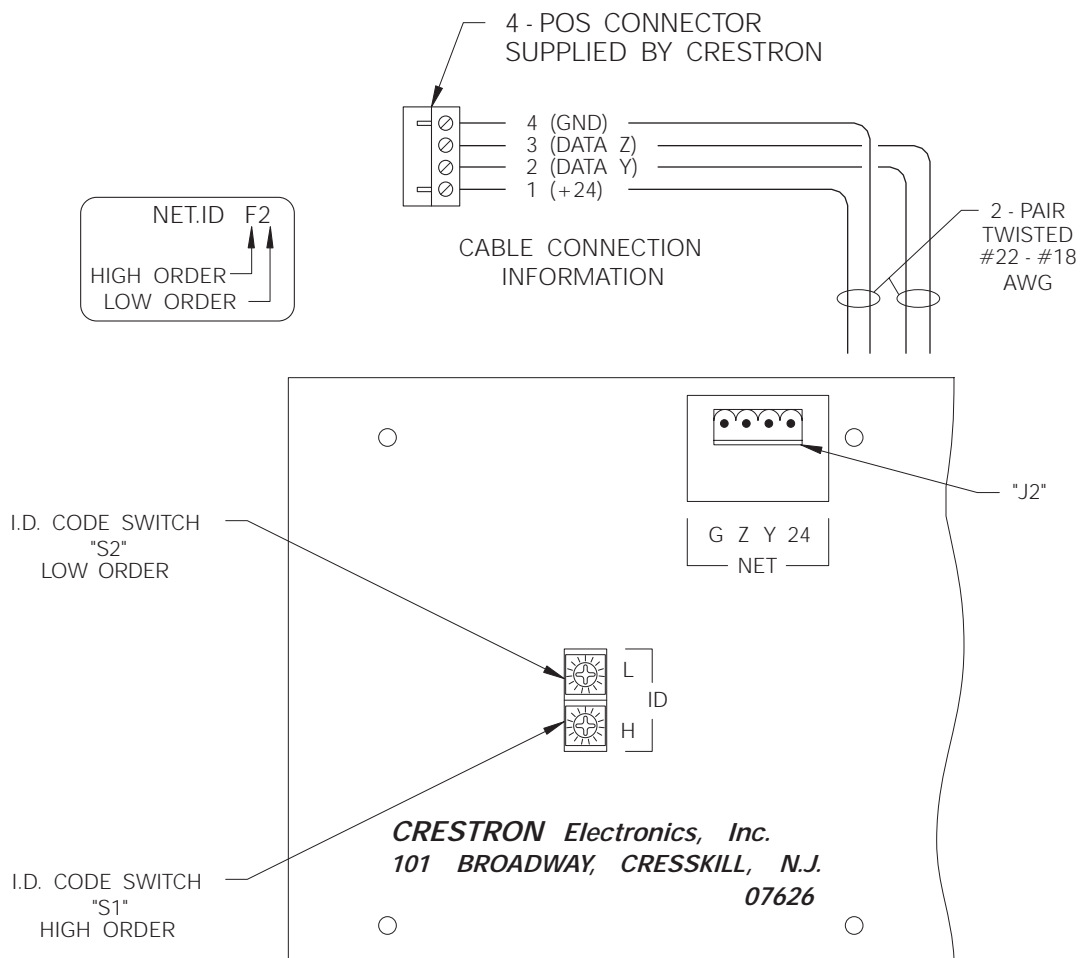
The ID CODE of the panel should be set to match the ID CODE specified in the NET.ID statement of the CRESNET II SIMPL-C program referencing the panel (refer to SYNTAX section). To set an ID CODE, disconnect power and remove the back of the panel. Accessible through the opening are two miniature

circuit-mounted rotary switches, identified as H (or S1) and L (or S2). These 16-position hexadecimal switches can be set to 0 through F. Using a small screwdriver, rotate the arrow in the center of the switch marked H (or S1) so that it points to the first (or most-significant) digit or letter of the specified ID CODE. Set the switch marked L (or S2) to the second (least-significant) digit or letter of the specified ID CODE.

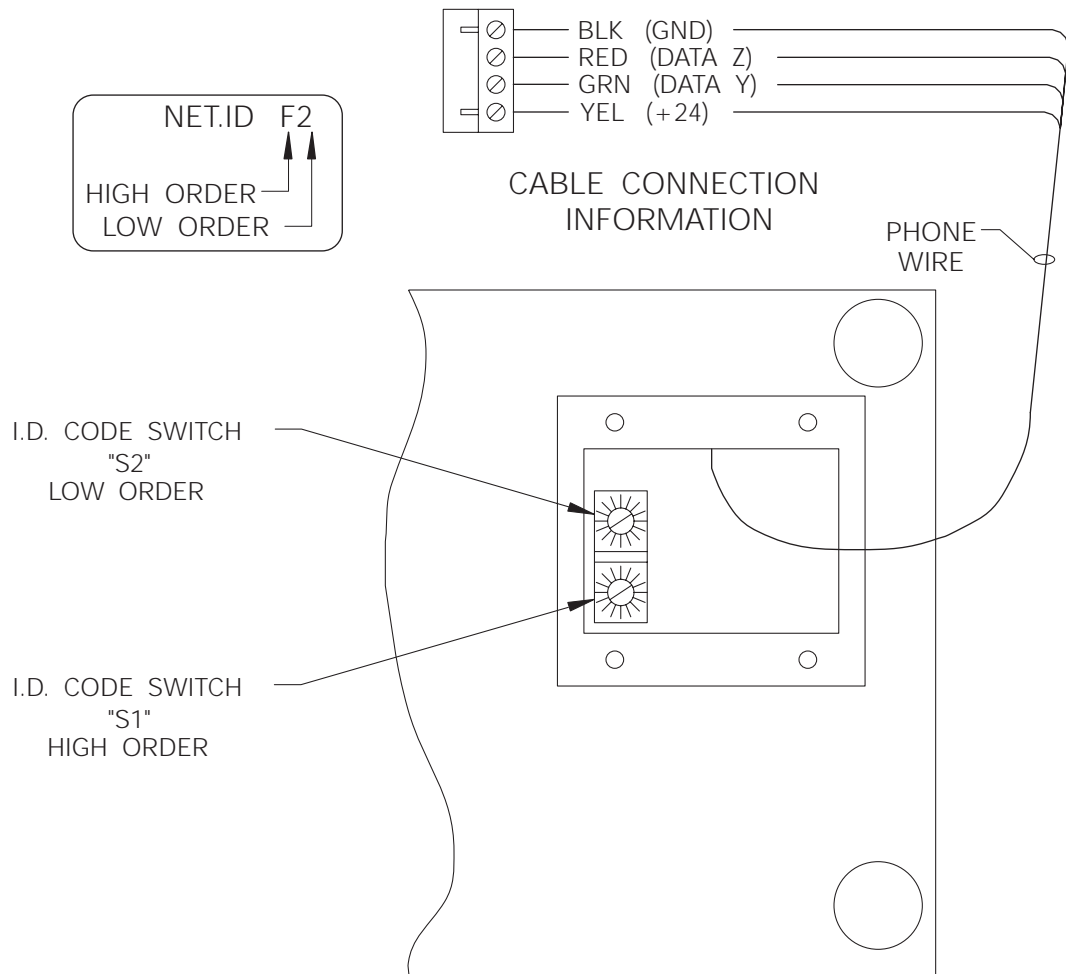
**Preparation for Use**

The 4-pin connector marked NET must be wired to the CRESNET II network. Network termination points are available at the control system power supply. Network units may also be daisy-chained together. Refer to the latest revision of CNPWS power supplies (Doc. 8017) in the CRESNET II manual for wire gauge specifications and connection detail.

Refer to figure 2 for wiring instructions for the lectern mounted panels. The consolette wired panels are supplied with 12 feet of telephone cable. A standard telephone modular connector and receptacle may be used for interfacing to network wiring. Refer to the consolette wiring diagram illustrated in figure 3.



**Figure 2. CNWP, Lectern Wiring Diagram**



**Figure 3. CNWP, Consolelette Wiring Diagram**

**PROGRAMMING:**

The panel drawing in figure 1 shows the location of the SIMPL-C button numbers and their corresponding button positions. 32-button panels are treated as a subset of the 64-button panels. Buttons or bargraphs which are not used need not be assigned a signal name.

**SYNTAX:**

The following syntax codes are provided for compatibility purposes only.

**NET.ID <03 o FE>: CNWP**

**i1,o1 = <signal name> \ button and LED combined**

**i2 = <signal name> \ independent button**

**o2 = <signal name> \ independent LED**

**i3 = <signal name>**

**o3 = <signal name>**

**" = " "**

**" = " "**

**<UP1> = <signal name> \ volume up button, first bargraph**

**<DOWN1> = <signal name> \ volume down button**

**<MUTE1> = <signal name> \ mute LED**

**<@MUTE1> = <signal name> \ mute button**

**<BAR1> = <signal name> \ first bargraph level**

**<UP2> = <signal name> \ volume up button, second bargraph**

**<DOWN2> = <signal name> \ volume down button**

**<MUTE2> = <signal name> \ mute LED**

**<@MUTE2> = <signal name> \ mute button**

**<BAR2> = <signal name> \ second bargraph**

**FURTHER INQUIRIES:**

If after reviewing this Operations Guide you still have additional questions, please contact a CRESTRON technical support representative by dialing (800) 237-2041 or (201) 894-0660.