

CNPI-16B

16-Button Control Panel Interface

The CNPI-16B allows third-party custom control panels to be interfaced to the Cresnet system in the same manner as a Crestron keypad. Sixteen digital inputs accept contact closures from third-party switches, and sixteen output drivers are provided to accommodate incandescent lamps or LEDs.

SPECIFICATIONS

Connectors

NETWORK: (1) 4-pin 5mm detachable terminal block; Cresnet slave port, connects to Cresnet control network
POWER: (1) 2-pin 5mm detachable terminal block; Paralleled with 24 and G of the "NETWORK" connector; Maximum Load: 0.5 Amps
INPUTS: (1) 20-pin PC-mounted connector; (16) Digital inputs referenced to system ground; Connects to blunt-cut ribbon cable (included)
OUTPUTS: (1) 20-pin PC-mounted connector; (16) Lamp drivers referenced to +5V or +24V; Connects to blunt-cut ribbon cable (included); Drives 24 volt incandescent lamps; Drives LEDs, requires (1) 200 ohm current-limiting resistor per output (not included); Output Current (per output): 200 mA maximum; Output Current (per group): 1 Amp maximum per each group of 8 outputs; Output Current (total): 2 Amps maximum; Note: Internal 5 Volt DC supply limited to 140mA total output; external power supply required for larger loads.

Controls

HI/LO: (2) Rotary DIP Switches; Used for setting the unit's Cresnet ID

LED Indicators

PWR: Indicates 24 Volts DC power supplied from Cresnet control network
ACT: Indicates communication with the Cresnet control network

Power Requirements

Cresnet Power Usage: 15 Watts (0.625 Amps @ 24 Volts DC) average; 50 Watts maximum;
(Approx. 2.5 Watts + 1 Watt per incandescent lamp);
(Approx. 2.5 Watts + 0.5 Watt per LED)

Environmental

Temperature: 41° to 104°F (5° to 40°C)
Humidity: 10% to 90% RH (non-condensing)

Enclosure

Surface mount PCB assembly, enclosure provided by others

Dimensions

Height: 2.50 in (6.35 cm)
Width: 4.60 in (11.68 cm)
Depth: 0.50 in (1.27 cm)



Weight

0.19 lb (0.09 kg)

Available Models

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