



BN-Series



BN-35BCD

**Remote BCD Display
3 1/2 Digit 0.56" LED
in a 1/16 DIN Case**



5VDC Powered LED BCD Input Meter in DIN 96X24mm Case.

General Features

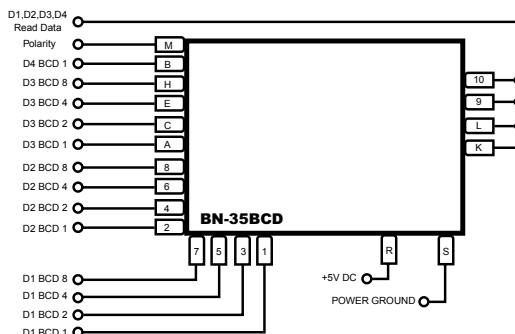
The BN-35BCD is a 3 1/2 digit remote or slave BCD display with polarity that is popularly used to display the BCD output from a PLC system.

For applications where more digits need to be displayed, the 4 digit BN-40BCD may be used. The BN-35BCD and BN-40BCD are ideal solutions for low cost operator interfaces.

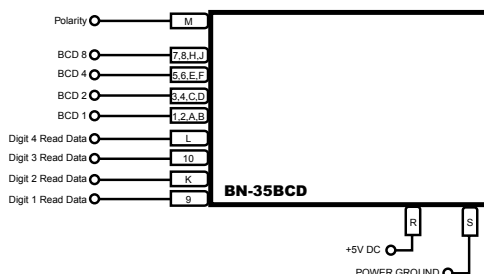
Both BN-40BCD and BN-35BCD are powered from 5V DC. They are shipped standard with Red LEDs, but green LEDs or super bright LEDs for high ambient light conditions are also offered.

Typical Application Connections

BN-35BCD with parallel BCD input.

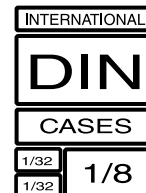


BN-35BCD with multiplexed BCD input.



Compatibility

The BN-Series have a matching DIN case style that is complementary to the Lynx, Leopard and Tiger family of meters. BN-Meters are the OEM's choice for economical switchboard and process indication. For economy, each model is dedicated to a specific application and designed for quick and easy installation.



Specifications

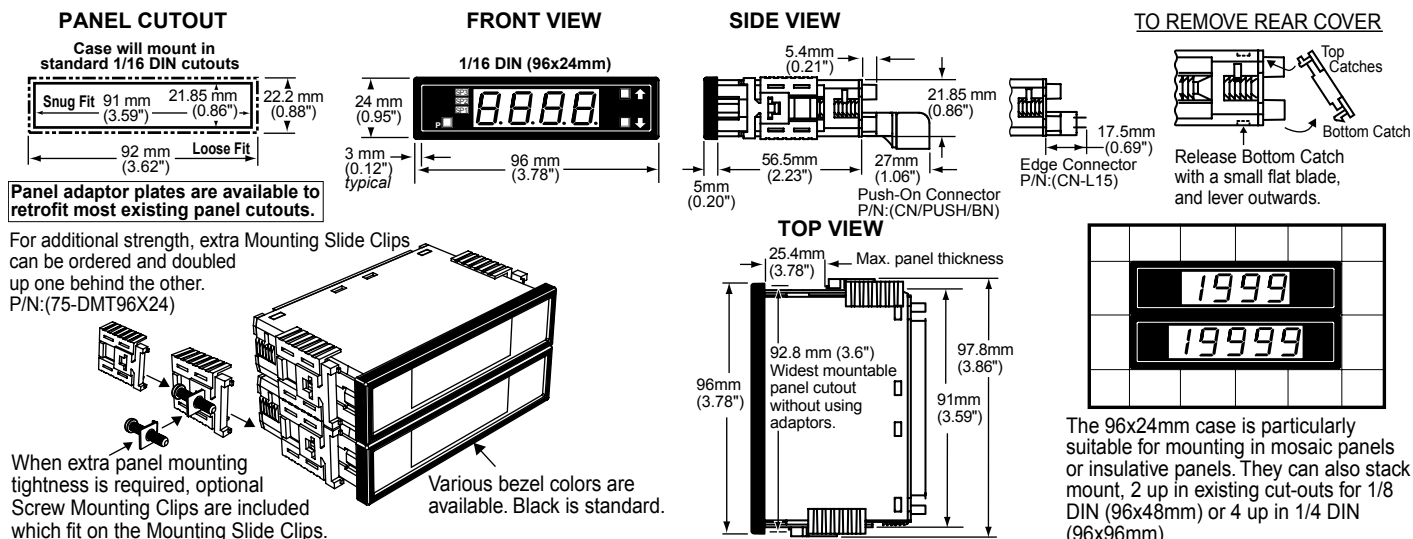
- Input Configuration:**BCD 1-2-4-8 code, positive logic
- Full Scale Ranges:**±199.9mVDC ±1.999VDC (standard)
.....±19.99VDC±199.9VDC
- Input Impedance:**Exceeds 100MΩ on 200mV, 2V ranges.
.....1MΩ other ranges.
- Input Protection:**±100V AC/DC for 200mV, 2V and 20V ranges.
.....±250VAC/DC for 200V range
- Conversion Rate:**3 readings per second
- Common Mode Rejection:**...80dB at DC
- Normal Mode Rejection:** ...60dB at 50/60Hz for 200mV and 2V ranges.
- Common Mode Voltage:**-1V to +2VDC
- Accuracy:**± (0.05% of reading + 1 digit)
- Temperature Coefficient:**5ppm/°C in ratiometric mode 50ppm/°C in 200mV / 2V ranges
- Maximum resolution:**100μV in 200mV range.
- Zero Stability:**.....Autozeroed. 0.1 counts per °C
- Display:**.....0.56" high red LEDs. Display Hold, Blank and Test provided.
- Over-range Indication:**The most significant digit "1" is displayed with all the other digits blanked.
- Power Supply:**.....5VDC @ 200mA.
- Operating Temperature:**0°C to 70°C (5V supply);
.....0°C to 50°C (12V supply)
- Storage Temperature:**.....-12°C to 80°C
- Relative humidity:**.....95% (non condensing)
- Case Dimensions:**Bezel: 96X24 mm (3.62" X 0.95")
.....Depth behind bezel: 56.5 mm (2.23")
.....Plus 27 mm (1.06") for Push-On connector
.....or plus 17.5 mm (0.68") for Edge connector
- Weight:**.....10 gms (.35 oz)

BN-Series

BN-350.2/2/20/200V DC ranges, 3.5 digit, 5V DC Powered
BN-35BCDParallel or Multiplex BCD, 3.5 digit, 5V DC Powered
BN-35CI4 to 20mA Isolated 24V DC 3.5 digit

BN-40BCDParallel or Multiplex BCD, 4.0 digit, 5V DC Powered
BN-452/20/200V DC ranges, 4.5 digit, 5V DC Powered
BN-45CI2/20/200V DC ranges Isolated 24V DC 4.5 digit

BN Case Dimensions and Panel Cutouts



Ordering Information

Standard Options for this Model Number

Part Number	Description
► BASIC MODEL NUMBER Includes standard display and standard power supply unless optional versions are ordered.	
BN-35BCD	3.5 digit, 5VDC Pwr, Parallel or MUX BCD input

► DISPLAY

STANDARD	Red LEDs, 0.56 inch high
BN-GREEN	Green LED, 0.56 inch high
BN-BRIGHT	Super bright Red LEDs, 0.56 inch high

Special Options and Accessories

Part Number	Description
► ACCESSORIES	
CN-L15	PCB Edge Connector, Solder Type, Dual Row 15 Pins
75-DMTC96X24	Side Slide Brackets, extra set (96x24mm only)
75-DBBZ96X24	Black Bezel for 96x24mm Case, BN and AM series
DN.CAS96X24	Din Case 96 X 24 Short Depth with Bezel
OP-MTLCLIP	Screw Mounting Clips (2 pc) to screw tighten slide brackets
75-DTP96X24	Black Metal Trim Plate (96x24mm Case) 1 Meter
75-DTP2X9624	Black Metal Trim Plate (96x24mm Case) 2 Meters
75-DTP3X9624	Black Metal Trim Plate (96x24mm Case) 3 Meters

Prices subject to change without notice.

WARRANTY

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