BD60 & BD100
Large format Displays

Features

- 60 mm and 100 mm (2.5 & 4 inch) High Digits
- 3- 7 Digits (BD60), 3 - 6 Digits (BD100)
- IP66 Rated Enclosure
- Sturdy all steel Construction
- High Brightness display
- Versions available as counter, timers,
  Tachometers, Clocks, Data Display etc.
- Mounting brackets allow 360 degrees rotation
- 115, 230 VAC and 24 VDC power source
- Optional stainless steel enclosure for food industry
- Selectable decimal point

BD100-6

BD100-4

BD60-7

DESCRIPTION

With their large bright LED digits the BD60 and BD100 range of instruments provide a means of displaying information that can be easily read at a distance. The 100 mm high digits are readable at more than 30 metres.
 They are available in a number of different functions such as counters, timers, tachometers, RS485 display etc. The all steel construction makes them rugged and together with being waterproof to IP66 standard they are suitable for many environments. The optional Stainless Steel version being particularly suitable for the food industry.

Supplied complete with wall/ceiling mounting brackets that allow the unit to swing through 360 degrees to provide the ideal viewing angle.

Connections are easily made to the screw terminal strip in the terminal box on the rear of the enclosure with cables entering via cable glands.

SPECIFICATION

Supply Voltages : 20 - 28 VDC, 115 VAC and 230 VAC

Supply Tolerance: +15 % , - 10%

Power Consumption: 20VA or 20 watts maximum

DC Power Output: 24VDC @ 50 mA for powering sensors ect.

Display: 60 (2.5 inch) or 100 mm (4 inch) high Red high brightness LEDs
              Other colours on request subject to availability (Green, Blue, White)

Temperature: -10 deg C to + 50 deg C

Dimensions: BD60 3 to 7 Digits: 600 x 200 x 120 mm (excluding brackets)
              BD100 3 & 4 Digits: 600 x 200 x 120 mm (excluding brackets)
              BD100 5 & 6 Digits: 800 x 200 x 120 mm (excluding brackets)

Housing: Wall/ceiling mounting sealed to IP66
              Material: Main Enclosure - Mild Steel painted
              Terminal Box - Polycarbonate Plastic
              Display Window - Deep Red polycarbonate with antiglare finish

Standard Versions

Counters

3, 4, 5, 6 or 7 Digit totalising counters. Based on our model CT700 counters these instruments can count up or down from any PNP, NPN or contact type source. Selectable non-volatile memory allows the count value to be stored when switched off or to reset to zero at power on. Selectable decimal point on any digit. Also available with programmable input pre-scaler to display in engineering units.

Order code: {type} { number of digits} {CT} {option} **Example:** BD60-7-CT-PS, BD100-6-CT

See CT700 data sheet for more information

Timers

3, 4, 5, 6, or 7 Digit accumulating timers. Based on our model TA700 timers these instruments can time from 1 millisecond to 9999999 hours (TA-A) or 99 hours 59 min 59 sec. (TA-B). Selectable non-volatile memory allows the time value to be stored when switched off or to reset to zero at power on.
Decimal point automatically selected depending on time range selected
Start, stop, inhibit and reset inputs are used to control the timer.

Order code: {type} { number of digits} {TA-A} **Example:** BD60-6-TA-A, BD100-4-TA-B

See TA701 data sheet for more information

Tachometer

4 Digit Tachometer/rate meter. Based on our model RM48 tachometer, these instruments can measure rate from 6 to 9999 r.p.m (p.p.m) Selectable PNP or NPN type signal input.

Order code: {type} { number of digits} {RM} **Example:** BD60-4-RM, BD100-4-RM

See RM48 data sheet for more information

RS232/RS485

3, 4, 5 or 6 Digit Display system that can be loaded with data via an RS232 or RS485 serial data link. Data protocol can be modified to suit customer requirements or can be a remote display for any Abtek instrument.

Order code: {type} { number of digits} {data standard} **Example:** BD60-6-RS485, BD100-4-RS232

See DDM400 data sheet for more information

Other Types

Analogue I/P: DC & AC voltage and current measurement. (ie 0 - 10 V, 4 - 20 mA etc)
Temperature: Display of temperature from various sensor types.
Clock: Real time clock/calendar
Stacked units: Two or more units fitted into one double or treble height enclosure

Please call sales office to discuss your particular requirement and for more information

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