

GUIDE TO ADDA B.C.D

ADDA B.C.D. INDICATORS are available in DIN panel mount (24x48 & 48x96), and also in large digit (100mm) wall mount.

The ADDA SYSTEMS range of B.C.D. instruments has been specifically designed to provide easy interfacing to Programmable Logic Controllers. Two alternate input drive variations are available:

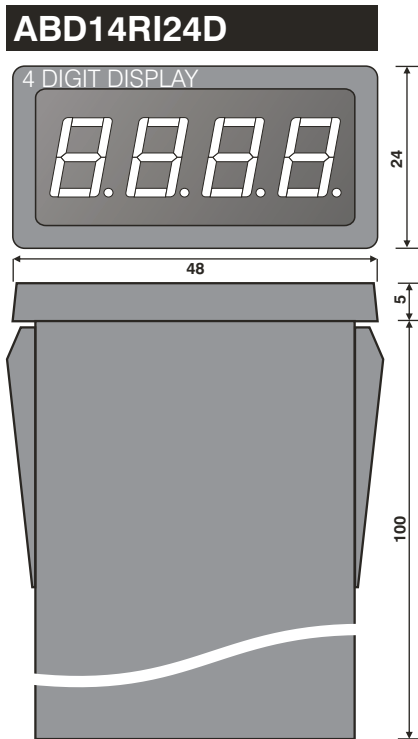
- 1-Direct Drive with four Binary Coded Decimal inputs for each digit. This allows for easy programming, but requires 16 P.L.C. outputs.
- 2-Multiplexed Drive with four common Binary Coded Decimal inputs and one input for each digit to control the latching. Thus, only eight P.L.C. outputs are required for the first panel meter and four additional outputs for each subsequent device. (Multiplexing is by digit.) For large systems other more efficient multiplexing schemes are available.

As accessories for the ribbon cable versions we also offer 10 & 26 way D.I.N. Omega Rail Ribbon Cable to Terminal transition boards and Ribbon Cable assemblies.

To "special order" ADDA SYSTEMS can also supply these units with 5V, 12V, 15V or 24V supply voltage and logic levels.

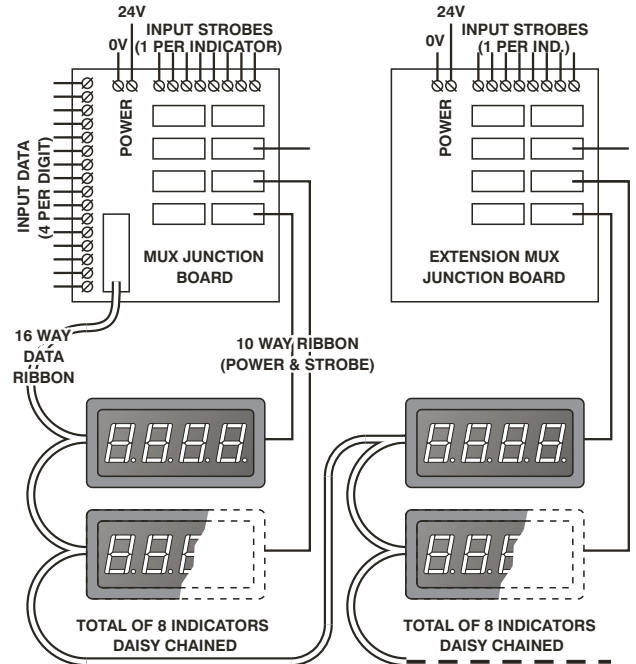
10mm Digit Bezel :24 x 48 mm
Cutout : 21.5x 44 mm

24V DC DISPLAY, 24V POSITIVE LOGIC, DIRECT OR MULTIPLEXED INPUTS, TERMINAL OR RIBBON CABLE OUTPUTS, MULTI-INSTRUMENT MULTIPLEXED SCHEMES AVAILABLE.



GROUP CONNECTION OF MULTIPLE INDICATORS VIA MUX JUNCTION BOARDS MULTIPLEXING BY INSTRUMENT

THE NUMBER OF INDICATORS IS ONLY LIMITED BY THE SWITCHING CAPACITY OF THE PLC OUTPUTS



B.C.D. METER DRIVER BOARDS

VOLTAGES APPLIED TO INPUTS

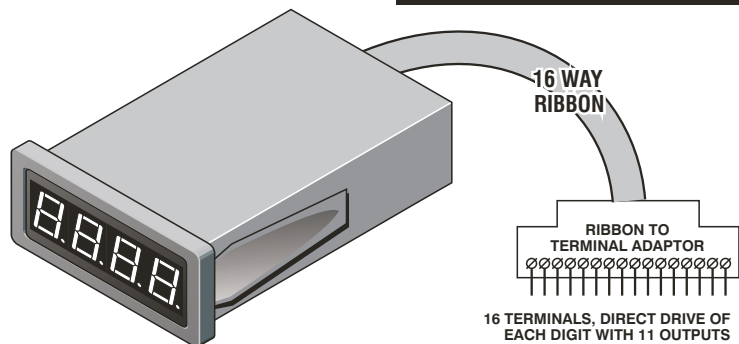
LOGIC "1" HIGH

GUARANTEED MINIMUM INPUT VOLTAGE	20.6V
TYPICAL MINIMUM INPUT VOLTAGE	15.5V
ABSOLUTE MAXIMUM INPUT VOLTAGE	28.5V

LOGIC "0" HIGH

GUARANTEED MINIMUM INPUT VOLTAGE	20.6V
TYPICAL MINIMUM INPUT VOLTAGE	15.5V

POSITIVE LOGIC RIBBON TO TERMINAL COMMON

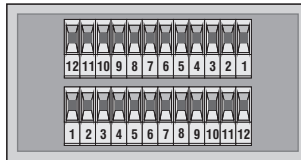
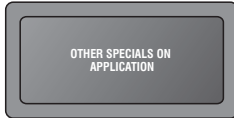
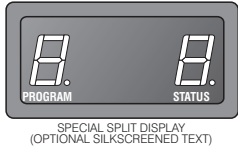
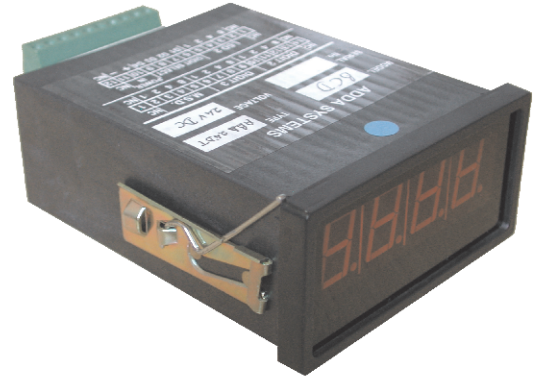


BCD INDICATORS

20mm Digit DIN : 48 x 96 mm
 Cutout : 45 x 92 mm

**24V DC DISPLAY, 24V POSITIVE LOGIC, DIRECT OR MULTIPLEXED INPUTS, TERMINAL OR RIBBON CABLE OUTPUTS,
 MULTI-INSTRUMENT MULTIPLEXED SCHEMES AVAILABLE.**

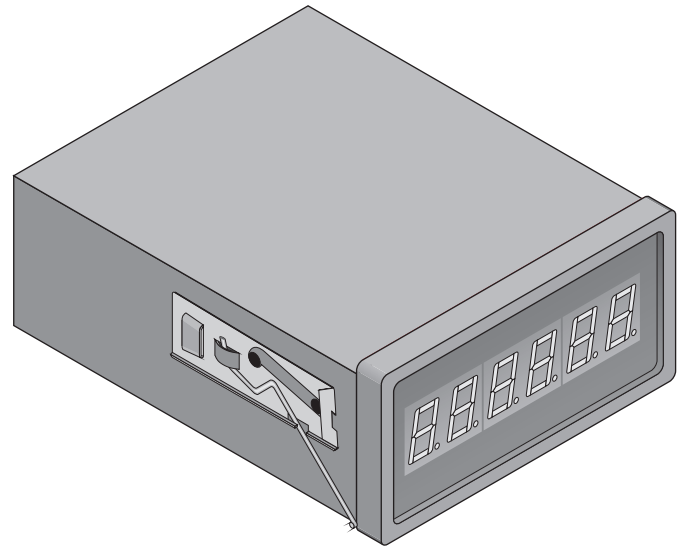
PART No.	1 Digit	2 Digit	3 Digit	4 Digit
Direct drive ribbon	ABD21DR 24V	ABD22DR 24V	ABD23DR 24V	ABD24DR 24V
Direct drive terminals	ABD21DT 24V	ABD22DT 24V	ABD23DT 24V	ABD24DT 24V
multiplex ribbon	ABD21MR 24V	ABD22MR 24V	ABD23MR 24V	ABD24MR 24V
multiplex terminals	ABD21MT 24V	ABD22MT 24V	ABD23MT 24V	ABD24MT 24V



38mm Digit DIN : 48 x 96 mm
 Cutout : 45 x 92 mm

ABD14624D

These meters have been designed to be used with programmable logic controllers and function in the same manner as the four digit BCD meters in our range. The case is a standard DIN 48 * 96 case and termination is provided with removable terminals on the rear of the unit. High brightness red 14mm led characters are used for the display. The units are available as standard with 24V logic and supply voltage level and special voltages can be supplied on special order. Can be cascaded to save PLC output lines.



**We also do a 36x72mm BCD Indicator,
 Information not available at time of printing.**