

BCD INPUT INDICATOR

Model 4002

- ☑ 4.5 digit display
- ☑ 14.2mm red LED
- ☑ 48 x 96 DIN size
- ☑ True or inverse logic
- ☑ Parallel or multiplexed
- ☑ 5, 12, 24 or 48V level
- ☑ Selectable decimal point
- ☑ Transformer tap version
- ☑ 3 year guarantee



Full scale

Model 4002 is a 4.5 digit red LED indicator for BCD input. The unit has built-in polarity selection, and is suitable for both true or inverse logic. As a universal indicator, the unit can be used for parallel or multiplexed BCD. The panel mount housing is a standard DIN size, and has front panel user selectable decimal points and polarity jumper links.

An important application is to display the output of PLC's for process control. A 2-digit version is available specifically for transformer tap position indication as used by power utilities. The standard model is a 4.5 digit indicator (-19999 to +19999).

The panel mount housing dimensions are 48 mm high x 96 mm wide x 144 mm deep overall (cut-out 45 mm x 92 mm wide), and the red LED's are 14.2 mm high. The unit can be supplied for 5, 12, 24 or 48 V logic. Power supply may be 5, 12 or 24 V DC, or 110-115 or 220-240 V AC. Supply voltage and input voltage to be specified. Internal pull-up is available, and Positive or Negative input logic is link selectable at the front of the unit.

GUARANTEE :

This product is guaranteed against faulty workmanship or defective material, for a period of 3 (three) years from the date of delivery by INSTROTECH.

INSTROTECH undertakes to replace without charge all defective equipment which is returned during the period of guarantee (transportation costs prepaid) provided there is no evidence that the equipment has been abused or mishandled in any way.

In the interests of continuous product improvement, INSTROTECH reserves the right to alter any specification without prior notice.

 **INSTROTECH**
INSTRUMENTATION AND PROCESS CONTROL



SPECIFICATIONS : Model 4002

INPUT BCD - parallel or multiplexed
LOGIC True or Inverse, front panel link selectable behind nameplate
LEVEL 5, 12, 24 or 48V (please specify when ordering)
DISPLAY 5 digit, 14.2mm red LED, -19999 to +19999 plus legend
TEMPERATURE Operating range : 0 to +55°C Storage range : -40 to +85°C
DECIMAL POINT Front panel link selectable by jumpers behind nameplate
HOUSING DIN standard 48mm high x 96mm wide x 144mm deep overall, IP52
PANEL CUT-OUT 45mm x 92mm wide, +1mm -0mm
TERMINATIONS 1 x 3 way Phoenix plug for auxiliary supply, 0.2 - 2.5mm² conductor
 1 x 25-way D-type male connector, with female cable plug included
POWER SUPPLY 240 or 110VAC 50Hz ±10% 3VA, or 5, 12, or 24VDC 200mA
PIN-OUT

1 = Binary 1 units
 14 = Binary 2 units
 2 = Binary 4 units
 15 = Binary 8 units

16 = Binary 1 tens
 4 = Binary 2 tens
 17 = Binary 4 tens
 5 = Binary 8 tens

6 = Binary 1 hundreds
 19 = Binary 2 hundreds
 7 = Binary 4 hundreds
 20 = Binary 8 hundreds

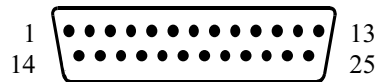
21 = Binary 1 thousands
 9 = Binary 2 thousands
 22 = Binary 4 thousands
 10 = Binary 8 thousands

3 = Latch enable, units
 18 = Latch enable, tens
 8 = Latch enable, hundreds
 23 = Latch enable, thousands
 12 = Latch enable, 5th digit and polarity

11 = 5th digit
 24 = Polarity : Low = -
 24 = High = + (assumed)
 25 = Common (-ve)

Note : If Latch Enable is not needed, inputs can be left unconnected (= input Low) and a High will latch.

25-way D-type male connector on indicator

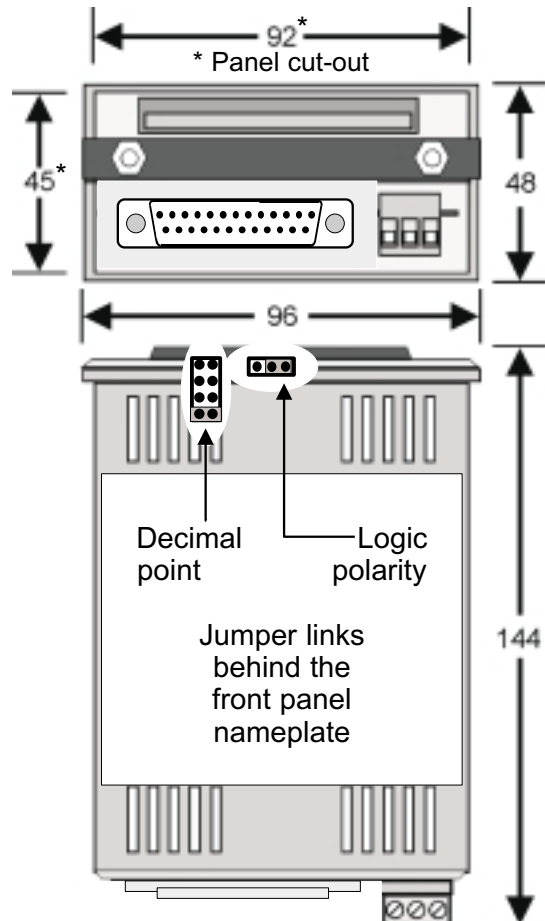


ORDER EXAMPLE AND CODE :

4 0 0 2 - 2 4 - 2

Model: ↑ ↑ ↑
Logic level: ↑ ↑
 5=05V 12=12V
 24=24V 48=48V
Supply: ↑
 1=110VAC 2=240VAC
 3=5VDC 4=12VDC 5=24VDC

DIMENSIONS :



TERMINATIONS :

MODEL 4002					
	1	2	4	8	LATCH ENABLE
1	1	14	2	15	3
10	16	4	17	5	18
100	6	19	7	20	8
1000	21	9	22	10	23
10000	11				12

+	24 OPEN
-	24 TO 25
COM	25
LOGIC	POS NEG
LEVEL	24V 12V 5V

1	2	3
EARTH	NEUTRAL	ALIVE

TB2