

# SERIAL INPUT INDICATOR

## Model 6420

- ❑ RS232 and RS485
- ❑ 6-digit display
- ❑ 14.2mm red LED
- ❑ 48 x 96 DIN size
- ❑ 256 addresses
- ❑ ASCII data format
- ❑ Selectable baud rate
- ❑ 3 year guarantee
- ❑ Australian made



Full scale

Model 6420 is an indicator for displaying ASCII format serial data from computers and controllers, ideal especially where multiple slave display units are required.

The panel mount housing is a standard DIN size, 48 x 96. Decimal point, address, baud rate, and the number of data bits are all user configurable. The display has 6 red LED digits each 14.2mm high.

The readout may be set to flash on and off with the last data displayed whenever the indicator does not receive valid refresh data within a specified time period. A flashing display shows that the unit has line-fail or is not initiated by the computer or controller. The Time-out period may be any number of seconds between 1 and 15, or alternatively this feature may be completely disabled, as required.

The Address, Baud Rate, number of Data Bits, and the Time-out Period of each indicator may be programmed from the host computer or controller, set up prior to delivery, or both. 255 addresses are available ('01h' to 'FFh'), while Address '00' is reserved to address all the indicators on a bus, for display blanking or common data display purposes.

### 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.



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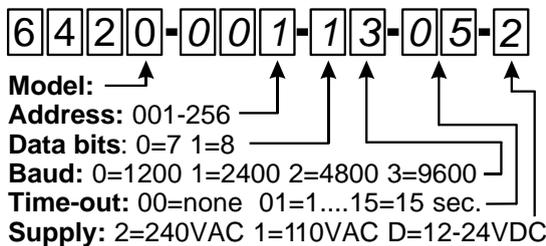
# SPECIFICATIONS : Model 6420

- INPUT** RS232C or RS485, ASCII data format
  - ADDRESSES** 255 (NB : Address '0' is common to all indicators) [factory default 1]
  - DATA FORMAT** 1 start bit, 7 or 8 data bits, no parity, 1 stop bit [factory default 8 bits]
  - BAUD RATE** 1200, 2400, 4800 or 9600, PCB link selectable [factory default 9600]
  - DISPLAY TYPE** Standard : 6-digit 14.2mm red LED
  - TEMPERATURE** Operating range : 0 to +55 deg C - Storage range : -40 to +85 deg 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 4-way & 1 x 2-way plug-in connectors, 0.2 & 2.5 sq mm conductor
  - POWER SUPPLY** 240 or 110VAC 50Hz ±10% 2VA, or 12 - 24VDC 125mA
  - SETUP FRAME** **PPP**h,**BS**,**TCR** NB : Commas are required where shown.
- 'PPP' is the upper or lower case setup preamble  
 'hh' is the hexadecimal Address : '01h' to 'FFh' [factory default '01']  
 'B' is the number of Data bits : '0' for 7 or '1' for 8 bits [factory default '1']  
 'S' is the Baud Rate : '0' = 1200, '1' = 2400, '2' = 4800, '3' = 9600 [factory default '3']  
 'T' is the Time-out : '0h' = none, '1h' = 1 ..... to 'Fh' = 15 seconds [factory default '5']  
 'CR' is a Carriage Return

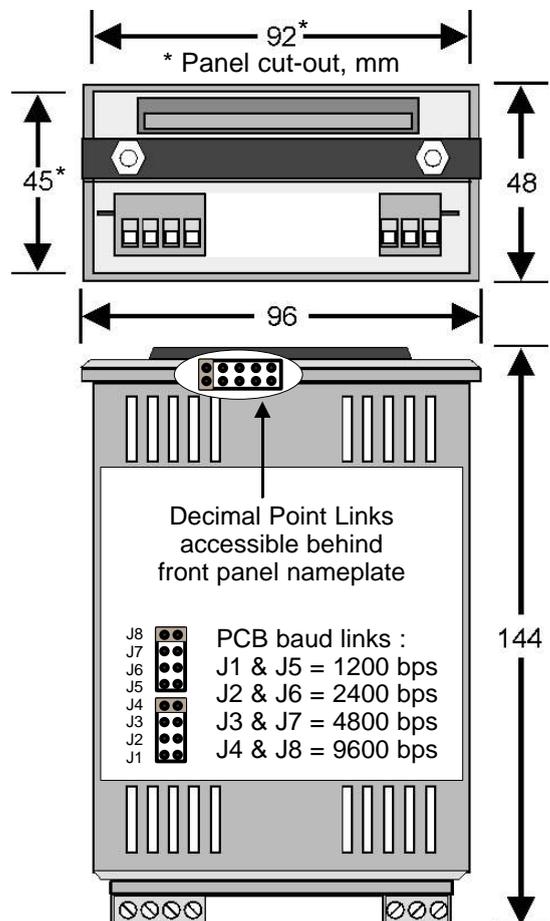
## DATA FRAME \$hhDDDDDDCR

- '\$' is the Start Bit
  - 'hh' is the 2 digit hex address of the unit, with '00' being reserved to address all units
  - 'DDDDDD' is the data to be displayed in decimal 0 - 9, or 'Space' for a blank
  - 'CR' is the Carriage Return Stop Bit
- NB : Allow a minimum 2 byte Inter Frame Space between the Stop and Start bits

## ORDER EXAMPLE AND CODE :



## DIMENSIONS :



## TERMINATIONS :

<b>MODEL 6420</b> Serial Input RS232/RS485 ASCII format Slave Display	SUPPLY	AC	240V	110V	VDC	12-24
	ADDRESS		1		TIME-OUT	None
	BAUD RATE		1200	2400	4800	9600
Serial no.	0212081		DISPLAY	6	BITS	8
RS232 SGND TB1	<b>Example:</b> <b>SETUP FRAME</b> "ppp01,13,0" Address 1, 8 data bits 9600 bps, no timeout <b>DATA FRAME</b> "\$01654321" Address 1 Display 654321				NEUTRAL TB2	SUPPLY
1 RS232 RxD	2 RS485 R-	3 RS485 R+			1	2
			ACN 059 798 337			