

## SIGNAL DISTRIBUTORS / REPEATERS ISOLATORS.

### SERIES 4400 - DR.

#### SALIENT FEATURES

- Full range of mV, Th.c., RTD, Current, Voltage, Slide wire Transmitters.
- Front panel access for span and zero.
- Isolated Input, Outputs, and Power Supply.

The Series 4400 - DR Converters / Isolators, are economical instruments designed to provide signal conditioning with input output versatility. These instruments accept all common process variables as an input signal providing standard multiple analog output signals. The series 4400 - DR instruments are suitable for use with DCS, SCADA & PLC.

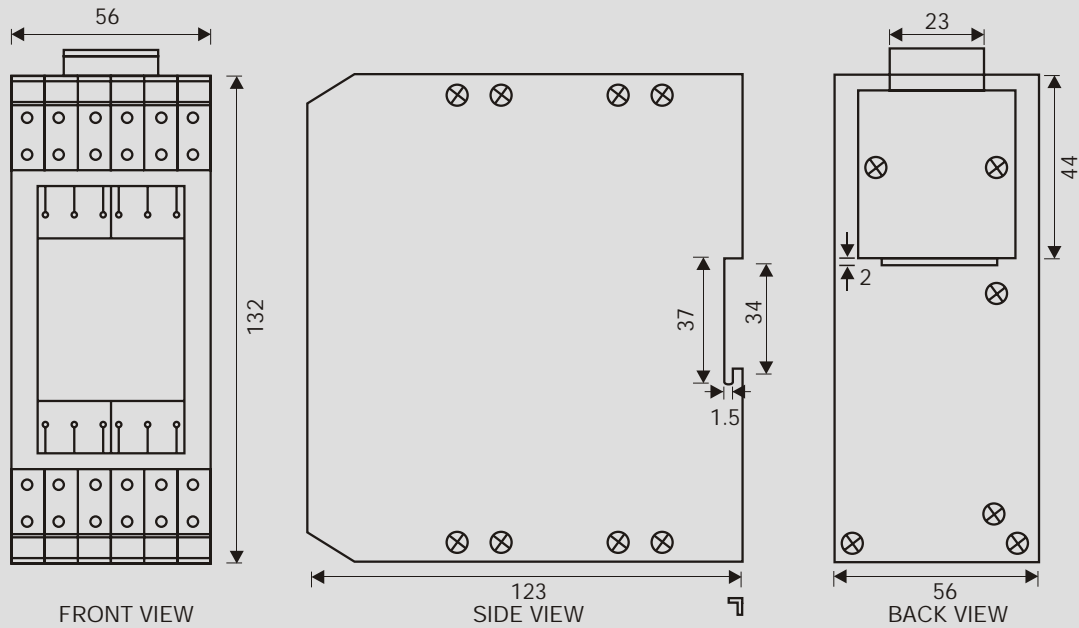
#### MODULES AVAILABLE :

- Signal repeaters / isolators with one, two, three & four outputs.
- mV / Th.c. to current converters
- RTD to current converters (with linearisation)
- Potentiometer Transmitters
- AC current Transmitters
- AC volt Transmitters

#### \*\*TECHNICAL SPECIFICATIONS :

INPUT	:	i) Electrical 0/4 -20 mA d.c., 0/1-5V.d.c., 0/2-10V.d.c. ii) Th.c. ( J, K, E, T, S, B, R & N type) as per (BS 4937 Part 1 to7 & 8) & (IEC 584 Part 1) iii) Resistance iv) RTD ( PT-100 as per IEC 751 & DIN 43760) v) Others on request.
INPUT RESISTANCE	:	62.5 for current input 100 K for 0/1-5V d.c. 200 K for 0/2-10V d.c.
OUTPUT	:	a) 4 -20 mA d.c. b) 0/1-5 V d.c. (optional) c) 0/2-10 V d.c. (optional)
C.M.R.R.	:	Better than 90 db.
ISOLATION	:	Better than 100 M at 500 V d.c. (between all inputs & outputs as well as between the outputs & the power supply & all I/O's.
* ACCURACY	:	better than $\pm 0.25\%$ of F. S.
TRANSMITTER SUPPLY	:	24 to 26 V d.c., 30 mA ( provided for 2-wire system)
MAINS SUPPLY	:	230 V AC, 50 Hz. (standard) 110 V AC, 50 Hz. (optional) Others on request
OPERATING TEMPERATURE	:	0 TO 50 °C.
TEMPERATURE DRIFT	:	$\pm 0.02\%$ max./ °C of F. S.
HUMIDITY	:	90 % R. H. max. non condensing.
MOUNTING	:	DIN RAIL - 35 mm
DIMENSIONS	:	132 (H) X 56 (W) X 123 (D). in mm.
CONSTRUCTION	:	Extruded Aluminium channel with powder coated steel sheets.
* Accuracy	:	0.25% of full scale refers to thermovolts (no linearisation) in case of Th.c. inputs.

\*\* Due to continuous developments, specifications are subject to change without prior notice.



All dimensions are in mm.

## ORDERING INFORMATION

Note : "Output codes" "83" & "84" are not applicable for "Input codes" "30, 31,32" & "Type of output code" "V"

SERIES 4400	SIGNAL CONVERTORS / ISOLATORS
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CODE	OUTPUT
81	Single output
82	Double output
83	Triple output
84	Quadruple output

CODE	TYPE OF OUTPUT
V	Voltage Output
I	Current Output

CODE	INPUT
10	0/4-20 mA d.c. (To be specified)
20	0/1-5 V d.c., 0/2-10 V d.c. (To be specified)
30	Resistance
31	Th.c. (any type) or millivolts (To be specified)
32	RTD (PT -100)

CODE	MAINS SUPPLY
1	110 V A.C., $\pm 10\%$ , 50 Hz
2	230 V A.C., $\pm 10\%$ , 50 Hz
3	Other (To be specified)

CODE	MOUNTING TYPE
DR	DIN Rail

4482 - I - 32 - 2 - DR      SAMPLE ORDERING CODE

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