

MODEL: DMY2015

- T/C, RTD, mA OR VOLTAGE INPUT
- UP TO 12 INPUTS
- 4-DIGIT DISPLAY
- FRONT PANEL CONFIGURATION
- 0.1% ACCURACY OF FULL SCALE
- SQ. RT. EXTRACTION FOR mA & VOLT
- TOTALIZATION OF EIGHT mA OR VOLTAGE INPUTS (OPTION)
- LINEARIZATION OF THE INPUTS
- TWO ALARM RELAYS (OPTION)
- HIGH & LOW ALARMS PER CHANNEL
- ALARM STATUS INDICATOR
- SERIAL COMMUNICATION (OPTION)



» AVAILABLE INDICATOR MODELS:

- 12 Thermocouple Inputs
- 8 RTD Inputs (3-wire)
- 12 Current Inputs (4-20 mA)
- 12 Voltage Inputs (1-5 V)
- Combination of Two of the above Inputs

INTRODUCTION

Indumart *DMY2015* Multi-point Digital Indicator is a microprocessor-based instrument with up to 12 inputs. High accuracy and stability along with good level of electrical noise and electromagnetic interference immunities make this instrument an excellent choice for hostile industrial applications.

The front panel has a high visibility, 4-digit, 1/2" high, red LED display. The engineering value of each input, its numeric identification and alarm status of all channels are shown on the display. The alarm outputs can be configured individually to operate with retention, demanding the operator acknowledgment through the front panel.

The instrument is equipped with non-volatile internal memory (E²PROM) to store configuration values and keep them in the memory in case of an external power failure. All configuration data can be protected by the operator selected password.

As standard, power to the indicator can range between 90 and 240 VAC or 130 and 340 VDC (with any polarity). The instrument may also be ordered to accept 12 or 24 VDC.

If communication with computers is required, the *DMY2015* can be equipped with the optional RS-232 or RS-422/485 communication modules.

Totalization and square root extraction of eight voltage or current inputs can be programmed through the front panel keys at the time of configuration.

The indicator is equipped with the Cold Junction Compensation (CJC) feature and is also capable of calibrating and linearising its RTD and thermocouple inputs.

The *DMY2015* Series has an extruded aluminum case with appropriate panel mountings.

SPECIFICATIONS

Inputs	T/C (J, K, T, E, R, S) Pt-100 RTD 4-20 mA; 250 S impedance 1-5 V; <10 MS impedance
Outputs	- Up to 2 SPDT relays, 3A @ 220 VAC. - Open collector transistor, 40mA and 24 VDC max. (for compliance with isolation) - Solid state relay, 2A @ 250 VAC with isolation.
Accuracy	±0.1%
Display	4-digit LED, 12.7 mm, red; 2-digit channel identification; Alarm indication for all channels
Sampling Rate	480 ms
Totalization	8 voltage or current inputs
Linearization	±0.1% of F.S. for RTD ±0.2% of F.S. for T/C
SQ. RT. Extraction	±0.5% of reading above 10% of span. 0 to 5% of programmable cut-off
Cold Junc. Comp.	±2.0°C for 0-50°C ambient
Power Supply	90 to 240 VAC or 130 to 340 VDC (any polarity) 24 or 12 VDC are optional
Power Consumption	10 W nominal
Communication	RS-232 or RS-422/485, with 50 VDC isolation
Ambient	0-50°C and 90% RH max.
Dimensions	¼ DIN (96 x 96 x 170 mm)
Weight	1.5 lb (0.7 kg)

ORDER CODE

DMY2015-

INPUTS

12 T/C
8 RTD
6 T/C & 4 RTD
12 Current
12 Voltage
6 T/C & 6 Current
6 T/C & 6 Voltage
6 Current & 6 Voltage
6 Current & 4 RTD
6 Voltage & 4 RTD

0
1
2
3
4
5
6
7
8
9

OUTPUT 1

None
SPDT Relay
Open Collector Voltage
Solid State Relay

0
1
2
3

OUTPUT 2

None
SPDT Relay
Open Collector Voltage
Solid State Relay

0
1
2
3

POWER SUPPLY

90 - 240 VAC / 130 - 340 VDC
24 VDC
12 VDC

1
2
3

COMMUNICATION

None
RS-232
RS-485
RS-422

0
1
2
3

CASE PROTECTION GRADE

IP-54
IP-65 (Weather proof)

0
1

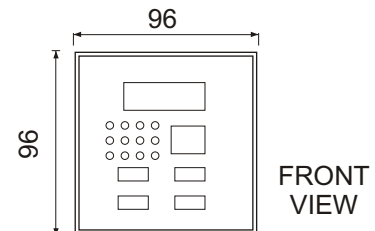
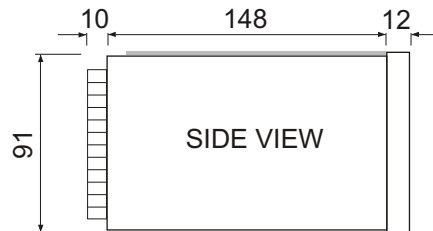
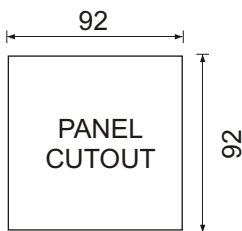
TOTALISATION

Not Required
Required

0
1

Sample Order: DMY2015-0-1-1-1-1-0-0-0

DIMENSIONS AND FIXING (mm)



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