



## 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, ½" 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 (E<sup>2</sup>PROM) 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

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

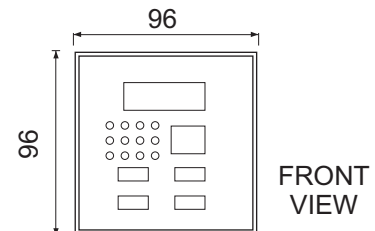
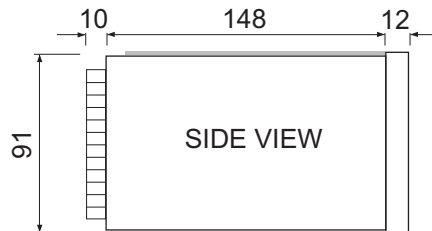
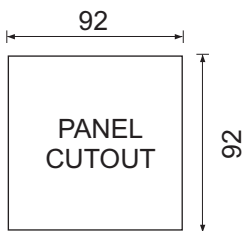
### TOTALIZATION

Not Required  
Required

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01

**Sample Order: DMY2015-0-1-1-1-0-00**

## DIMENSIONS AND FIXING (mm)



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