



## MODEL: DIS14

- LINEAR mA & VOLTAGE INPUTS
- TWO ON/OFF OR PULSE OUTPUTS
- 4-DIGIT, 14 mm BRIGHT LED INDICATOR
- FULLY PROGRAMMABLE PARAMETERS
- AUXILIARY POWER SUPPLY FOR LOOP POWERED INSTRUMENTS



### INTRODUCTION

Indumart DIS14 programmable Indicator/Controller is a stable, microprocessor-based device with very good accuracy, which can accept current and voltage inputs. It provides power for loop powered instruments, and can have two programmable relays providing ON/OFF control/alarm with or without pulse.

The value of the input to the DIS14 is indicated on a 14mm, 4-digit bright LED display and the status of outputs is shown by the two LEDs.

Configuration of the DIS14 can be performed via its front panel keys. The input type, range, offset value and alarm parameters are programmed by the user.

### SPECIFICATIONS

#### Process Inputs

<b>Current</b>	4...20 mA or 0...20 mA
<b>Voltage</b>	0...5 V or 0...10V
<b>Other Linear Inputs</b>	40 V max.; 100 mA max. (on request as special version)
<b>Display Limit</b>	-1999...9999 programmable
<b>Decimal Position</b>	Programmable

#### Outputs

<b>Relay</b>	5A / 250 V; NO/NC contacts
<b>MOS Gate</b>	0.1 A / 60 V; Optically Isolated
<b>Solid State Relay (SSR)</b>	0.2 A / 250 VAC
<b>Output for External SSR</b>	12(24) V / 50 mA
<b>Control Algorithm</b>	ON/OFF, pulse mode

#### General

<b>Accuracy</b>	0.3% of span
<b>Temperature Drift</b>	0.02% of the span per 1°C
<b>Display</b>	4-digit LED
<b>Digit Height</b>	14 mm; High intensity
<b>Alarm Indicators</b>	2 LEDs for two alarms
<b>Display Range</b>	-1999 to 9999
<b>Keyboard Locking</b>	Programmable
<b>Power Supply</b>	110 VAC, 230 VAC 90...250 VAC/DC 12...24 VAC/DC
<b>Power Consumption</b>	1.5 VA maximum
<b>Auxiliary Power Supply</b>	3...11 VDC
<b>Operating Condition</b>	-10...+65°C; 0 to 85% RH
<b>Front Panel Sealing</b>	IP65
<b>Case Material</b>	ABS
<b>Front Dimensions</b>	76 x 34 mm (W x H)
<b>Mounting Depth</b>	55 mm
<b>Mounting</b>	In panel; Cutout 71 x 28 mm
<b>Weight</b>	Approximately 150 g

Indumart reserves the right to change the specifications without prior notice.

### ORDER CODE

Model: **DIS14** -

#### Front Panel

72 x 36 mm

#### Power Supply

110 VAC  
230 VAC  
90...250 VAC/DC  
12...24 VAC/DC

#### 1st Output

None  
Relay NO/NC  
SSR  
Isolated MOS Gate  
External SSR

#### 2nd Output

None  
Relay NO/NC  
SSR  
Isolated MOS Gate  
External SSR

#### Execution

Standard  
Special (please state the required input)

