



## SERIES: DIS400

- 3-DIGIT DISPLAY
- 5A RELAY OUTPUT
- SEALED TO IP-66
- DIRECT CONTROL OF ELECTRICAL ACTUATORS

### Field mount Controller for Temperature, Pressure, Level, etc.



### INTRODUCTION

Indumart DIS400 Series of Programmable ON/OFF Indicating/Controllers display the signal from most sensors and are a cost-effective solution for most processes and trigger a 5A relay at the setpoint. The microprocessor-based circuitry equipped with digital filters provides stable readings with very good accuracy.

The input value is indicated on a 3-digit display and the configuration parameters are programmed via the keyboard. The decimal point and the display range of the input along with the display offset and the contact's parameters such as setpoint, hysteresis, direction of the alarms and their time delay can be programmed by the user.

An advantage of DIS400 is transferring the power supply to an external actuator via its 5A relay. This is a feature that enables direct control of electrical actuators.

The DIS400 is waterproof (IP-66) and very easy to install. It can be wall mounted or connected freely to an in-placed temperature, pressure, flow or level probe. Optionally, the indicator can be ordered with DIN rail clamp for rail mounting.

### SPECIFICATIONS

<b>Input Type</b>	RTD's, Thermocouples, mA and VDC - see the Table
<b>Output Type</b>	5A Relay at the supply voltage
<b>Adjustable Parameters</b>	Setpoint, hysteresis direction and delay time
<b>Display</b>	3-digit LCD, 14mm high
<b>Relay Output State</b>	LED to indicate the output
<b>Display Range</b>	-199 to 999 programmable for mA or voltage input - For temperature input, see below
<b>Decimal Position</b>	User programmable
<b>Temp. Measurement Unit</b>	°C or °F selectable
<b>Loop Supply Voltage</b>	12...24 VAC/VD 230VAC, 115VAC
<b>Accuracy</b>	0.3% of span
<b>Temperature Drift</b>	0.02% of span for 1°C
<b>Environ. Protection</b>	IP-66
<b>Operating Condition</b>	-10...+65°C; 0 to 85% RH
<b>Cold Junc. Temperature</b>	Automatic -10...+80°C
<b>Case Material</b>	ABS
<b>Mounting</b>	Wall, Probe; DIN rail (option)
<b>Probe &amp; Power Wiring</b>	4-pin M12 Connectors probe and power may have 90° or 180° angle (mention in the order) The above picture shows a 180° angle
<b>Dimensions</b>	92x92x60 mm (WxHxD)

### ORDER CODE

Model: **DIS400** -

**Power Supply**  
12...24 VDC/VAC  
115 VAC  
230 VAC

**Input**  
0(4)...20 mA  
RTD  
T/C  
0...10 V

0  
1  
2

A  
R  
T  
V

### Input signals of various models of DIS400 Series.

**RTD's:** Pt50, Pt100, Pt500, Pt1000 (3-wire & w=1.385 Ω)  
Pt46, Pt50, Pt100, Cu50, Cu100 (3-wire & w=1.391 Ω) for measurement range of -100...600°C

**Thermocouples:** "J" or "K" with -20...999°C range and "T" with -40...400°C range.

**Linear Current:** 0...20 mA or 4...20 mA selectable

**Linear Voltage:** 0...10 V

