

# INDUMART Canada Field Indicating ON/OFF Controller

## 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.



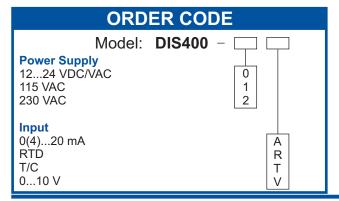
## **INTRODUCTION**

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**

Input Type

Output Type Adjustable Parameters

Display Relay Output State Display Range

Decimal Position
Temp. Measurement Unit
C or F selectable
Loop Supply Voltage
12...24 VAC/VD

Accuracy
Temperature Drift
Environ. Protection
Operating Condition
Cold Junc. Temperature
Case Material
Mounting
Probe & Power Wiring

RTD's, Thermocouples, mA and VDC - see the Table 5A Relay at the supply voltage Setpoint, hysteresis direction and delay time 3-digit LCD, 14mm high LED to indicate the output -199 to 999 programmable for mA or voltage input - For temperature input, see below User programmable

12...24 VAC/VD 230VAC,115VAC 0.3% of span 0.02% of span for 1°C

-10...+65°C; 0 to 85% RH Automatic -10...+80°C

ABS Wall

Wall, Probe; DIN rail (option)
4-pin M12 Connectors
probe and power may have
90° or 180° angle (mention in the order)
The above picture shows a 180° angle
92x92x60 mm (WxHxD)

**Dimensions** 

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

**RTD's:** Pt50, Pt100, Pt500, Pt1000 (3-wire & w=1.385  $\Omega$ ) Pt46, Pt50, Pt100, Cu50, Cu100 (3-wire & w=1.391  $\Omega$ ) 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



**INDUMART** 

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