INDUMART Canada
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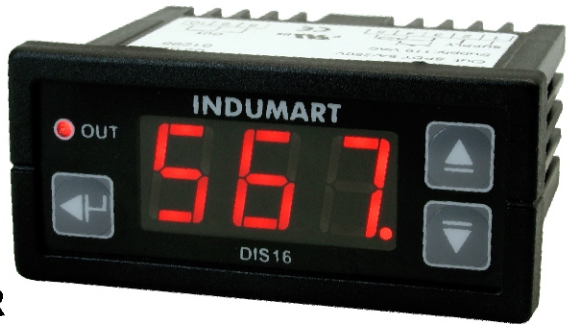
Temperature Indicator / Controller

MODEL: DIS16



- RTD OR THERMOCOUPLE INPUT
- ONE ON/OFF OUTPUT
- 3-DIGIT, 14 mm BRIGHT LED INDICATOR
- FULLY PROGRAMMABLE PARAMETERS

INTRODUCTION

Indumart DIS16 programmable Indicator/Controller is a stable, microprocessor-based device with very good accuracy, which can accept an RTD or thermocouple input. It can have one programmable relay providing ON/OFF control/alarm.

Value of the input to DIS16 is indicated on a 14mm, 3-digit bright LED display and the status of the output is shown by an LED.

Configuration of DIS16 can be performed via its front panel keys. The input type, range, offset value and alarm parameters are programmed by the user.

Special versions with voltage or mA input, or other front dimensions are also available. For specifications, please consult Indumart Sales Department.

ORDER CODE

Model: **DIS16**–□□□□□

Front Panel
72 x 36 mm — D

Power Supply
110 VAC — 1
230 VAC — 2
90...250 VAC/DC — 5
12...24 VAC/DC — 6

Output
None — 0
Relay NO/NC — 1
SSR — 2
Isolated MOS Gate — 3
External SSR — 4

Input Type
RTD — R
Thermocouples — T

Execution
Standard — 0
Special (please state the required input) — 1

SPECIFICATIONS

Input

RTD DIN (w=1.385)	3-wire; Pt50, Pt100, Pt500, Pt1000
RTD GOST (w=1.391)	3-wire; Pt46, Pt50, Pt100, Cu50, Cu100
RTD Measuring Range	-100...600°C
Thermocouple "J"	-20...999°C
Thermocouple "K"	-20...999°C
Thermocouple "T"	-40...400°C
Temperature Unit	°C or °F selectable
Decimal Position	Programmable

Outputs

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

General

Accuracy	0.3% of span
Temperature Drift	0.02% of the span per 1°C
Display	3-digit LED
Digit Height	14 mm; High intensity
Alarm Indicator	One LED
Power Supply	110 VAC, 230 VAC 90...250 VAC/DC 12...24 VAC/DC
Power Consumption	1.5 VA maximum
Operating Condition	-10...+65°C; 0 to 85% RH
Front Panel Sealing	IP65
Case Material	ABS
Front Dimensions	76 x 34 mm (W x H)
Mounting Depth	55 mm
Mounting	In panel; Cutout 71 x 28 mm
Weight	Approximately 150 g

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

INDUMART INC.
1-15 W. Pearce St., Richmond Hill, Ont. L4B 1H6, Canada
Phone: (905) 707-9998 Fax: (905) 707-8484 E-mail: Sales@Indumart.com