

PID CONTROLLER/INDICATOR

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Spec. Sheet # SC-226

MODEL CODES

MODEL : PID
Type : Universal I/P

INPUT/OUTPUT

Input :
T/C : J,K,E,N,R,S,T,B.
RTD : Pt – 100, 0-300Ω
mA : 0-20mA,4-20mA
Volt : 0-10V.
mV : -10 to 50mV
Range :
J : -200 to 1200 °C.
K : -200 to 1350 °C.
E : -200 to 1000 °C.
N : 0 to 1300 °C.
R : -50 to 1760 °C.
S : -50 to 1760 °C.
T : -200 to 400 °C.
B : 0 to 1800 °C.
RTD : -200 to 840 °C.
mA /Volt/mV : -1999 to 9999.
Display : (1) 4 digit 7 segment LEDs
0.56" height (RED).
(2) 4 digit 7 segment LEDs
0.36" height (GREEN).
(3) Individual red LED to
indicate relay status, set
point selection & PID
control action.
OUTPUT : (1) Up to 2 set point with
individual relay output,
rated for 5A/250VAC.
(2) Retransmission O/P 1-5
Volt DC (optional).
(3) Retransmission O/P 4-20
mA DC (optional).
(4) Pulse\SSR O/P 0-12VDC
(Optional).
(5) RS232/RS485 (RTU)
Modbus Communication
(Optional).
CONTROLS : UP, DN, MODE keys for
operation programming &
calibration.

GENERAL SPECIFICATIONS

ACJC : Inbuilt & Automatic for T/C
I/P
Calibration : Through Software of
individual I/Ps.
Hysteresis loop width of
phase controlling O/P : 0.1 to 99.9 °C.
Power consumption : <10VA.
Proportional band : 1-120 second.
Integral Time : 0-3600 second.
Derivative time : 0-3600 second.
Ramp Setting Time : 1-9999°C/Hr.
Controlling Algorithm. : ON/OFF, P, PI, PD, PID,
FUZZY.
Linearity : 0.1% of span.
Accuracy : 0.1% of Range, ± 1 digit.
Resolution : (1) 0.1°C/1°C for RTD,
T/C Input
(2) Decimal Point
Programmable for
Linear Inputs.
Response time : Within 500ms.
Insulation resistance : 200MΩ at 1000 VDC.
Insulation Strength : Tested at 1000VAC
between electronics & earth
Watchdog timer : Both H/W & S/W provided.

INSTALLATION

Power Supply : 90-270 VAC, 50Hz
Operating Temperature : 0°C to 60°C.
Storage Temperature : 0°C to 60°C.
Mounting : Panel Mounted.
Terminals : Screw terminal.
Bezel Size : 48x96, 96x96 mm.
Cutout Size : 44x92, 92x92 mm
Weight : Approx.400, 500Gms.