

Temperature Controller

- Universal Input
- Lower Depth of 65mm
- Single and Dual LED Display
- Configurable Output: Relay or SSR Drive
- °C & °F temperature unit selectable
- Ramp & Soak profile with Power Failure resumption mode
- RS 485 Communication
- IP 65 (For Front Panel)
- Multiple device programming with SD card support
- Rapid Set Point change feature
- Alarm Functionality
- Single/Dual acting PID controllers with 4 Control modes
- Auto-tuning PID with provision for Soft-Start



Single Display



Dual Display

Ordering Information

Cat. No.	Description
TCS1T100	3 digit single display, RTD & thermocouple input, 10A SPDT relay or SSR
TCS2T100	3 digit dual display, RTD & thermocouple input, 10A SPDT relay or SSR
TCS4T2A0	4 digit dual display, RTD & thermocouple input, 5A SPST relay or SSR & 5A SPST relay with CT
TCS4T300	4 digit dual display, RTD & thermocouple input, 10A SPDT relay, SSR & 5A SPDT relay
TCS4U4A0	4 digit dual display, RTD, thermocouple & Analog input, 3 relay output 5A SPST, Analog output with CT
TCS4U50C	4 digit dual display, RTD, thermocouple & Analog input, 2 relay output 5A SPST, SSR & Analog output with Modbus
TCS4U40C	4 digit dual display, RTD, thermocouple & Analog input, 3 relay output 5A SPST, Analog output with Modbus
TCS4U5A0	4 digit dual display, RTD, thermocouple & Analog input, 2 relay output 5A SPST, SSR & Analog output with CT

Temperature Controller

- Highly Accurate Performance.
- Available in 96x96 mm models..
- Wide supply range:110-240 VAC/DC , -20 to +10% of Un.
- Thermocouple (J, K & T), RTD 3-wire (Pt-100) sensor inputs.
- Control Modes: Proportional, ON-OFF Asymmetric, ON-OFF Symmetric.
- Control Output: Relay or SSR Drive
- CE and RoHS complied



Ordering Information

Cat. No.	Description
151M42B	Series PR 43, Relay Output (SPDT 10A) & SSR driving output (12 VDC, 24mA max), One Relay Output (SPDT 5A)
151N42B	Series PR 43, Relay Output (SPDT 10A) & SSR driving output (12 VDC, 24mA max)



Temperature Controller

- Flush Mounting Version 96x96 mm with Dual Line Digital Seven Segment Display
- Universal Input
- Configurable Output combination
- Configurable: Band, Deviation, Sensor break & Loop break alarms
- Single/Dual acting PID controllers with 4 Control modes
- Analog Voltage / Current Inputs (0-5 V, 1-5 V, 0-10 V / 4-20 mA) and Outputs (0-10 V / 4-20 mA)
- Auto-tuning PID with provision for Soft-Start
- 6 Segment Ramp & Soak profile with Power Failure resumption modes
- Rapid Set Point change feature
- RS 485 Communication
- Bumpless Auto-Manual transfer
- IP 20 (for Terminals & Enclosure) IP 40 (for Front Panel only)
- Timer functionality with settable time from 1min to 9999 min
- CE and RoHS complied



Ordering Information

Single Acting PID Controller

Cat. No.	Description
151F42B	2 Relays (SPST 5A each), SSR driving output (12 VDC, 24 mA)
151G42B	1 Relay (SPST 5A), Analog output (0-10V, 4-20 mA), SSR driving output (12 VDC, 24mA)
151H42B	2 Relays (SPST 5A each), Analog output (0-10V, 4-20 mA)
151J42B	3 Relays (SPST 5A each)
151K42B	1 Relay (1 C/O 10A), SSR driving output (12 VDC, 24 mA)
151L42B	2 Relays (1 C/O 10A & SPST 5A), SSR driving output (12 VDC, 24 mA) without Analog I/P

Dual Acting PID Controller

Cat. No.	Description
151F43B	2 Relays (SPST 5A each), SSR (12 VDC, 24mA)
151G43B	1 Relay (SPST 5A), Analog output (0-10V, 4-20mA), SSR (12 VDC, 24mA)
151H43B	2 Relays (SPST 5A each), Analog output (0-10V, 4-20mA)
151J43B	3 Relays (SPST 5A each)
151F43B1	2 Relays (SPST 5A each), SSR (12 VDC, 24mA) with RS485
151G43B1	1 Relay (SPST 5A), Analog output (0-10V, 4-20mA), SSR (12 VDC, 24mA) with RS485
151H43B1	2 Relays (SPST 5A each), Analog output (0-10V, 4-20mA) with RS485
151J43B1	3 Relays (SPST 5A each) with RS485