Features :

- **4 digits, 7 segment LED single display**
- **TC/ RTD inputs**
- **ON - OFF/ PID control**
- **Dual set point**
- **°C/°F selectable**
- **Control output: Relay or SSR (Field selectable)**
- **Auxiliary output: Relay**

96 x 96mm

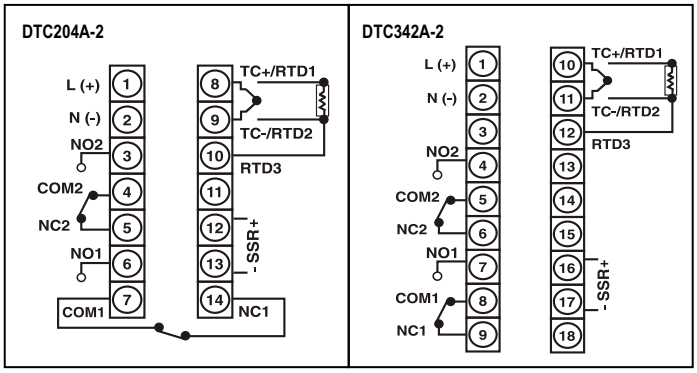
72 x 72mm

Technical specifications

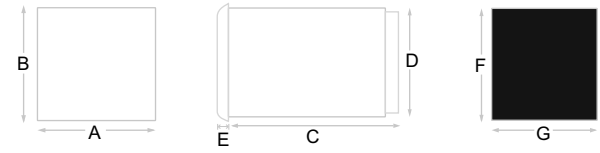
Display	4 digits, 7 Segment LED single display
Height of display	DTC204A - 2: 13.5 mm, DTC324A - 2: 14 mm
LED indication	1. Output 1 ON , T Auto tune 2. Output 2 ON
Inputs	Thermocouple (J, K, T, R, S) / RTD (PT100)
Resolution	0.1 / 1 for TC / RTD inputs (fixed 1 for R & S type TC input)
Indication accuracy	For J, K & T inputs: 0.25% of F.S. ±1° For R & S inputs: 0.5% of F.S. ±2° (20 min of warm up time for TC inputs) For RTD input: 0.1% of F.S. ±1° (F.S. = Full scale)
Temperature unit	°C/°F selectable
Input filter (FTC)	0.2 to 10.0sec
Sampling time	250 ms
Control output (Relay or SSR user selectable)	
Relay contact (SPDT)	Main Output: NO: 10A 250 VAC/ 24 VDC NO/ NC: 5A/ 5A 250 VAC/ 24 VDC
SSR drive (Voltage pulse)	12 VDC, 30 mA
Auxiliary output	
Relay contact (SPDT)	Alarm Output: NO: 10A 250 VAC/ 24 VDC NO/ NC: 5A/ 5A 250 VAC/ 24 VDC
Control action	1) PID Control with auto tuning 2) ON-OFF control
Proportional band (P)	1.0 to 400.0°C
Integral time (I)	0 to 9999 sec
Derivative time (D)	0 to 9999 sec
Cycle time	0.1 to 99.9 sec
Hysteresis width	0.1 to 99.9°
Manual reset value	- 19.9 to 19.9°
Heat-cool	
Control action	PID
Proportional band-cool	0.0 to 400.0°
Cycle time-cool	0.1 to 99.9 sec
Dead band	Programmable from set point low limit to set point high limit.
Settings for alarm output	
Modes	Deviation, Absolute
Hysteresis	0.1 to 99.9°

Supply voltage	90 to 270 VAC/ DC (50/ 60Hz)
Power consumption	6 VA max @ 230 VAC
Temperature	Operating: 0°C to 50°C (32 to 122°F); Storage: - 20°C to 75°C (- 4 to 167°F)
Humidity (non - condensing)	95% RH
Mounting	Panel
Weight	DTC204A - 2: 200 gms ; DTC324A - 2: 252 gms

Terminal connections



Dimensions (All are in mm)



DIM	A	B	C	D	E	F	G
DTC204A-2	76	76	83.7	67	4.5	69	69
DTC324A-2	100	100	73	90.5	5	92	92

Ordering information

DTC204A-2	RELAY (10A)	SSR (12 VDC)	RELAY (5A)	90 to 270 VAC/ DC	**- - -**
DTC324A-2	RELAY (10A)	SSR (12 VDC)	RELAY (5A)	90 to 270 VAC/ DC	**- - -**