



J. N. THERMOCONTROLS
AN ISO 9001 : 2008 COMPANY



DIGITAL TEMPERATURE CONTROLLER / ONE & TWO SET POINT / PUSH TO SET

COMMON SPECIFICATIONS



DTC-200 / 220



DTC-200P / 220 P



DTC-202 / 222



DTC-202 P / 222 P

Display	: 3 1/2 Digit 7 Segment Red colour LED 0.5" ht
Cold Junction Compensation	: Automatic For T/C
Sensor Input	: J, K, R, S, T/C, PT-100 RTD, mV, V & 4-20 mA I/P
Accuracy	: J, K 1%, R, S 0.5%, PT-100 RTD 0.2%, mV, V, mA 0.1 %
Sensor open Indication	: By '1' at MSD
Set Point	: Multiturn Trimpot for each set point.
Hyst Pot	: 1 to 10 °C for each set point for ON - OFF Model
Tune Pot	: ±5 °C for each set point for Time Proportional Model
Control Action	: ON / OFF or Time Proportional
Control Output	: 6 Amp or 20 Amp. 1 c/o Relay, 230 V.AC., : 12 V. DC. pulse o/p for S.S.R., for each set point
Operating Temperature	: 0 - 50 °C (RH < 80%)
Supply	: 230 V.AC. ± 10% 50 Hz

Dimensions (H x W x D)	96 x 96 x 120 mm	72 x 72 x 110 mm
Panel Cutout (H x W)	92 x 92 mm	68 x 68 mm

ORDERING CODE ONE SET POINT CONTROLLER :

DTC - XXX - I - R - CA - O (OTHER OPTIONS)

XXX (SIZE)	I (INPUT)	R (RANGE)	CA (Control Action)	O (OUTPUT)
220 - 72 x 72 mm	J : Fe / Con T/C	1 : +50 °C	1 : ON-OFF(Heat Logic)	06 : 6 Amp RLY
200 - 96 x 96 mm	K : Cr / Al T/C	2 : 200 °C	2 : ON-OFF(Cool Logic)	20 : 20 Amp RLY
220 P - 72 x 72 mm	T : Cu / Const. T/C	4 : 400 °C	3 : Time Proportional	SR : 12 V.DC. for SSR
200 P - 96 x 96 mm	R : Pt / Pt - Rh 13% T/C	6 : 600 °C		2 C : 2 c/o RLY 6 Amp
	S : Pt / Pt - Rh 10% T/C	10 : 1000 °C		
P : Time Proportional	P1 : Pt - 100 (0.1 °C) RTD	12 : 1200 °C		
	P2 : Pt - 100 (1 °C) RTD	16 : 1700 °C		

ORDERING CODE TWO SET POINTS CONTROLLER :

DTC - XXX - I - R - CA - O (OTHER OPTIONS)

XXX	(SIZE)	I	(INPUT)	R	(RANGE)	CA	(Control Action)	O	(OUTPUT)	
						SET - 1	SET - 2			
222	- 72x72 mm	J	: Fe / Con	T/C	1	:	+50 °C	1 : ON/OFF	ON/OFF (Heat Logic)	0606 : 6 Amp RLY
202	- 96x96 mm	K	: Cr / Al	T/C	2	:	200 °C	2 : ON/OFF	ON/OFF (Cool Logic)	BOTH
222P	- 72x72mm	R	: Pt / Pt - Rh 13%	T/C	4	:	400 °C	3 : ON/OFF	OFF/ON (Heat /Cool)	2006 : 20 Amp RLY-1
202P	- 96x96mm	S	: Pt / Pt - Rh 10%	T/C	6	:	600 °C	4 : OFF/ON	OFF/ON (Trip/Alarm)	6 Amp RLY-2
		P1:	Pt - 100 (0.1°C)	RTD	10	:	1000 °C	5 : Time Pro.	ON/OFF (Heat Logic)	SR06 : 12 V.DC. SSR
P : Time		P2:	Pt - 100 (1°C)	RTD	12	:	1200 °C	6 : Time Pro.	OFF/ON (Heat/Cool)	6 Amp RLY-2
Proportional					16	:	1700 °C	7 : ON/OFF	Time Pro. (Heat Logic)	SRSR: 12V.DC. SSR
								8 : Time Pro.	Time Pro. (Heat Logic)	BOTH

Note: Two setpoint control output (2006) only 96X96 mm

OPTION : • 110 V.AC. Mains/24V.DC.supply • User selectable range possible
• °F Unit on Demand • 2 c/o Relay O/P one for 20 Amp, Two for 6 Amp. (Only 96 x 96 mm)