



**DIGITAL TEMPERATURE CONTROLLER /
HEAT COOL / PUSH TO SET**

COMMON SPECIFICATIONS

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
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
Heating Set Point	: Multiturn Trimpot
Hyst Pot	: For heating ON/OFF Band 1 to 10 °C adjustable
Tune Pot	: Time proportionally ON/OFF ± 5 °C adjustable
Cool ON Pot	: Heat SET Point + 1 to 10 °C above adjustable
Cool OFF Pot	: Cooling Hysteresis 1 to 10 °C adjustable
Control Action	: ON / OFF or Time Proportion
Heat / Cool Control Output	: 6 Amp or 20 Amp 1c/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



DTC-203



DTC-203 P



DTC - 223



DTC - 223 P

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 :

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

XXX (SIZE)	I (INPUT)	R (RANGE)	CA (Control Action)		O (OUTPUT)
			HEAT	COOL	
223- 72 x 72 mm	J : Fe/Con	T/C 0 : 199.9 °C	1: ON/OFF	OFF/ON	0606 : 6 Amp RLY
203- 96 x 96 mm	K : Cr/Al	T/C 2 : 200 °C	2: Time Pro.	OFF/ON	BOTH
223P-72 x 72 mm	P1:Pt - 100 (0.1°C) RTD	4 : 400 °C	3: Time Pro.	Time Pro.	2006 : 20 Amp RLY-1
203P-96 x 96 mm	P2:Pt - 100 (1°C) RTD	6 : 600 °C	4 : ON/OFF	Time pro.	6 Amp RLY-2
		10 : 1000 °C			SR06 : 12 V.DC. SSR
		12 : 1200 °C			6 Amp RLY-2
P: Time Proportional					SRSR: 12V.DC. SSR
					BOTH

Note : HEAT / COOL CONTROL OUTPUT (2006) Only 96 x 96 mm
Option: •110 V.AC. Mains / 24V.DC.supply •°F Unit on Demand •User selectable range possible