

1. How to order CT15

CT15	Model Number: CT15
0	Alarm: 0 = No 1 = Yes
1	Input: 1 = Thermocouple, types J, K, and T 2 = 100 Ω Platinum RTD, type PD or PE
2	Output: 1 = SSR 2 = 5 VDC 3 = Relay, NO
CT15012 ← Sample Part Number	

② Distance varies depending on options. Maximum distance is 5.05" (128.27mm).

3. Input: RTD: 2 or 3-wire, Minco types PD or PE (100 Ω IEC platinum). Thermocouple: Type J (default), K, T (selectable).

4. Input Impedance:
Thermocouple: 3 megohms minimum.
RTD Current: 200 μA maximum.

5. Sensor Break or Short Protection:
De-energizes control outputs to protect system.

6. Loop Break Protection:
Error message is initiated and output is turned off in case of shorted sensor or open heater circuit. Break time adjustable from OFF to 99 minutes.

7. Cycle Rate: 1 to 80 seconds.

8. Setpoint Range:
Selectable from -212 to 1371°C (-350 to 2500°F), input dependent.

9. Display:
One 4 digit, 7 segment 0.3" high LED display. Display shows the measured temperature unless a control key is pressed then it will display the item value.

10. Control Action:
Reverse (usually heating) or Direct (usually cooling); selectable.

11. Ramp/Soak: One ramp, 0 to 100 hours.

12. Accuracy: ±0.25% of span ±1 count.

13. Resolution: 1° or 0.1°, selectable.

14. Line Voltage Stability: ±0.05% over supply voltage range.

15. Temperature Stability:
4 μV/°C (2.3 μV/°F) typical, 8 μV/°C (4.5 μV/°F) max. (100 ppm/°C typical, 200 ppm/°C max.).

16. Isolation:
Relay and SSR outputs are isolated. Pulsed voltage output must not share a common ground with the input.

17. Supply Voltage:
100 to 240 VAC nom., +10/-15%, 50 to 400 Hz, single phase; 132 to 240 VDC nom. +10/-20%, 5 VA maximum.

18. Operating Temperature Range: -10 to 55°C (14 to 131°F).

19. Memory Backup: Non-volatile memory (no batteries required).

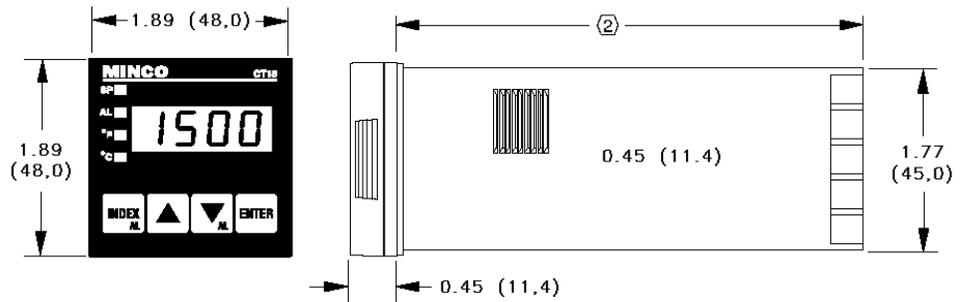
20. Control Output Ratings:
AC SSR (SPST):
3.5 A @ 250 VAC @ 25°C (77°F); derates to 1.25 A @ 55°C (130°F). An SSR is recommended for longer life than a mechanical relay. Use external SSR for higher currents.
Mechanical Relay, SPST Form A (Normally Open):
3 A resistive, 1.5 A inductive @ 250 VAC;
Pilot Duty: 250 VA; 2 A @ 125 VAC or 1 A @ 250 VAC.
Switched Voltage (non-isolated): 5 VDC @ 25 mA.
Alarm Relay, SPST Form A (Normally Open):
3 A resistive, 1.5 A inductive @ 250 VAC;
Pilot Duty: 250 VA; 2 A @ 125 VAC or 1 A @ 250 VAC.

21. Weight: 227 g (8 oz.).

22. Agency Approvals: UL and CSA.

23. Front Panel Rating: Type 4X (IP66).

REVISIONS				
REV.	DESCRIPTION	DATE	E.C.O.	APP.



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN INCHES (MILLIMETERS) ALL DIMENSIONS: ±.03 (0,8)	DR.	B.M.P.	DATE:	10/16/03	TITLE: CT15 TEMPERATURE CONTROLLER SPECIFICATION DRAWING	MINCO PRODUCTS, INC. MINNEAPOLIS, MINN. CAGE IDENT. NO. 09359
	CHK.					
	APP.					
	ENGR.					
MATERIAL:	METH.					
	PRD.					
FINISH:	NEXT ASSY. USED ON	CT15	INIT. JOB	16--	F:\AUTOCAD\DWG\CT15\CT15SPC.DWG	
	SCALE:	NONE	WT.		DWG. SIZE	B
	SHEET	1	OF	1	REV.	-