

DIGITAL TEMPERATURE CONTROLLER

TTM-i4N

■ FEATURES

- * Equipped with ultra-fuzzy control.
- * Large white display for clear view.
- * By connecting the loader cable, parameter setting would be possible without the external power supply (Power will be supplied from the PC).
Even the complicated setting can easily be done with the simple key operation of the PC. The setting procedures are greatly minimized.
- * Compact body with depth of 59mm.
- * Sampling cycle :250mS.
- * UL/CE/KC standard
- * Fuzzy control : Effectively prevents the“OverShoot” better than the normal PID Control at the initial start-up stage.
- * In the event of power failure, the data of the integral operation volume at the time of normal operation is stored in EEPROM, and by restoring this volume upon resumption of power, the time required to stabilize the control will be improved, thus, the occurrence rate of defective item is diminished.



■ TEMPERATURE INPUT SECTION

Input types	Thermocouple : K, J, R, T, N, S, B (JIS C 1602-1995) RTD : Pt100, JPt100 (JIS C 1604-1997) *The input types are switched by setting.
Sampling cycle	250mS
Display precision: (the ambient temperature 23±10° C)	Thermocouple : Input value ±(0.3% + 1 digit) or ±2° C, whichever is larger (the ambient temperature 23±10° C). However, the condition shall be ±3° C in the -100 to 0° C range, and ±4° C in the -200 to -100° C range. Not specified for temperatures not higher than 400° C for thermocouple B. RTD : Input value ±(0.3% + 1 digit) or 0.9° C, whichever is larger (the ambient temperature 23±10° C). At ambient temperatures of 0 to 50° C, ±(0.5% + 1 digit) or 1.5° C, whichever the higher.

■ CONTROL OUTPUT

Relay contact output	Control output : 250VAC, 3A (resistance load) Contact 1a Minimum load 5VDC, 100mA Event 1 output : 250VAC, 2.4A (resistance load) Contact 1a Minimum load: 5VDC, 10mA
SSR driving voltage output	Control output : 12VDC Load resistance: 600 or more

