

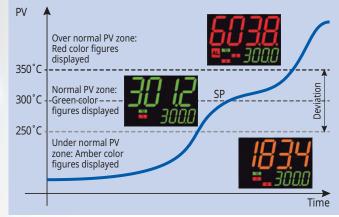
■ Compact Size
■ Universal Input

■3 colors active display

□ Limit control type available®

*: Model code TC10-LHCxxxDxF/GK

Alarm detection with active display

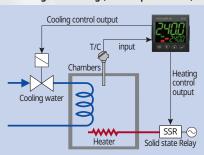




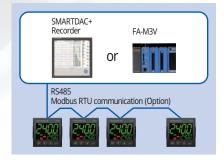


■ Application

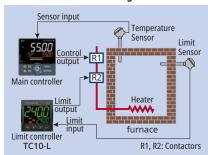
Heating and cooling (two outputs model)



Monitoring and setting from external device



Limit control using TC10-L





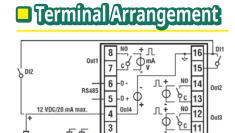
Specification Table

	TC10
PV/SP Data display	4 digits 3 colors active display
PV Input	1 Universal (TC, mV, V, mA, Pt100-Pt1000)
Accuracy	±0.5% of span ±1 digit
Display updating time	500 ms
Number of Set points (SP)	4
Control type	ON/OFF, PID, Heat/Cool control
Tuning	Auto-tuning, Self-tuning, Overshoot control
Control Output	Relay, Voltage Pulse or Analog
Control Output for Cooling output	Relay or Voltage Pulse
Contact Input/Output	1 logic input, and 1 selectable I/O

	TC10				
Alarm	9 Types				
Communication	RS-485 Protocol: Modbus RTU				
Power supply	24 VAC/DC (Custom order), 100 to 240 VAC Power consumption: 4.5 VA max. (24 VAC/DC) 6.0 VA max. (100 to 240 VAC)				
Regulatory Compliance	CE, cULus				
Front panel protection	IP65 (Optional)				
Size	48 × 48, depth 62 mm, (1.77 × 1.77 × 2.97 in.)				
Ambient Temperature, R.H.	Operating temperature: 0 to 50°C (32 to 122°F) Operating humidity: 20 to 90% RH (no condensation)				

External Dimensions





OF YSU MAZ SY VALUE OF STATE O

10

9

■ Model and Suffix Code

Model Code	Suffix codes										Description		
TC10	-N		С				D		F	/□	Temperature Controller with an universal input, one logic input, and one selectable I/O		
Туре	-N										Controller		
Power supply		L									24 VAC/DC (Custom order)		
	Н										100 to 240 VAC		
Fixed code			C								Always "C"		
		R	Ν	Ν					Relay output for On/Off control				
OUT1-3				R	R	R					Relay output with two alarm relays, or On/Off Heat/Cool control with one alarm		
				V	Ν	Ν					DCV output for SSR		
				٧	R	R					DCV output for SSR with two alarm relays, or DCV and Relay output for Heat/Cool control with one alarm		
				V	٧	R					Two DCV outputs for SSR with one relay (Custom order)		
				Α	R	R					Analog output with two alarm relays, or Analog output and Relay output for Heat/Cool control with one alarm		
IN/OUT4 (Fixed code) D							D				Always "D" Selectable I/O (logic input / 12 V SSR drive output / 12 VDC 20 mA transmitter power supply)		
Serial communication			S			RS485 Modbus							
			Ν			None							
Fixed code F									F		Always "F"		
Option code /G										/GK	Panel gasket for IP65		

For detailed information such as drawings and terminal diagrams of TC10-L, please see the General Specifications (GS 05C01E81-11EN).

YOKOGAWA ELECTRIC CORPORATION

Edge Solution Division

E-mail: ns@cs.jp.yokogawa.com

YOKOGAWA CORPORATION OF AMERICA YOKOGAWA EUROPE B.V. YOKOGAWA ENGINEERING ASIA PTE. LTD. http://www.yokogawa.com/

http://www.yokogawa.com/us/ http://www.yokogawa.com/eu/ http://www.yokogawa.com/sg/

Subject to change without notice. All Rights Reserved. Copyright© 2016, Yokogawa Electric Corporation Printed in Japan, 909(KP) [Ed: 03/b]

