

**Temperature Control Panels:** designed for installation into almost any temperature control application. Accepts temperature sensors T, J, K, R, S thermocouples or RTD. ( Specify when Ordering ) Our control panels are pre-wired, and labeled for easy confident, installation and ship complete with easy to setup Fuji Digital Temperature Controllers, wiring diagrams and manuals.

All wiring is brought to Clearly Labeled terminal strips that make wiring easy. Simply attach your heater, incoming power wiring, and thermocouple (**not included**) and you are ready to run.

Systems come complete with the following:

- NEMA 4X enclosure
- Fuji Temperature Controllers
- Fused incoming voltage
- Fused Control voltage
- Select Mercury or Heavy Duty Contactors
- Control Transformer (size as req.)
- Pilot Lights ( Optional )
- Power On/Off Selector switch

\*\*Thermocouple sensor not included

#### Inputs:

- Thermocouple / RTD (specify)
- Terminals for external stop or Heater shutdown.  
(Remote contact closure - remote Level switch - High limit - Emergency Stop PB.)

#### Outputs

- Alarm Output for High / Low Alarm annunciation. (120 VAC output)



**Fuji**, 1/16<sup>th</sup> DIN Size Digital Temperature Controller, complete with 4X gasketed case, PID control, Autotune – selftune feature, Digital Display of both Setpoint and Process Temperatures. We can substitute your controller of choice for no extra charge.

*Cost differences do apply!*

All Fuji controllers have a 3-year warranty!



Miniature Circuit Breakers  
(sized for load)



Heavy Duty Contactors  
(use with On/Off Control)



MDI –  
Mercury Contactors, Use for PID control;  
Millions of cycles



Shown with Optional Equipment

## Single Loop Digital Indicating Controllers Programmable for Thermocouple or RTD \*\*

Enclosure Size	Transformer	Contactors	Volts	Phase	# of Circuits	Amp Per Circuit	Sensor
S- Standard 16x14	N- No Trans	D- DP	120	A - 1	1 Thru 4	30	J,K,T R,S
L- Large 18 x 14	Transformer	C- Contactor	240	B- 3		60	P- RTD
M- Micro 12x10		M- Mercury	208				I- Infrared
	(req transformer)	S- SCR	277				M- mA
	(req transformer0	R- SSR	480				
STOCK CONTROL PANELS							
STC-48B130-J	Standard Control panel with Contactor and Control transformer 480 volt 3 phase						
STC-24B130-J	Standard Control panel with Contactor and Control transformer 240 volt 3 phase						

### Dual Loop Control:

2 – 3 or 4 complete Control Systems in one enclosure, each with separate, On / Off Selector switch, fusing and Temperature controller. This system cuts down on installation cost with one (1) set of Power input terminals and only one control cabinet. A single transformer supplies control voltage for all. (CALL for more information)

### We Do specials:

Control Cabinets made for 1 to 6000 amps. We can design and build for your application. We've manufactured Panels for GE, Sherwin Williams, NE Aero, FEDEX, Honda, Toyota, Georgia Pacific, and NASA. Over 35 Years in business and still growing. Let us help you design your next heating control application.

**Options:** include power on and Alarm pilot lights, Thru-the-Door Disconnects, Current Monitoring or special enclosures

Model	Description	Price
-PP	Pilot Light Power On	
-PL	Pilot Light Low Temp	
-PH	Pilot Light High Temp	
-D30	Disconnect Thru the Door Interlock 30 Amp	
-D60	Disconnect Thru the Door Interlock 60 Amp	
-CT30	30 Amp Current Monitoring Contact Output	
-CT60	60 Amp Current Monitoring Contact Output	
-HL	Separate High limit controller	
-SS	Stainless Steel Enclosure	
-S	Steel JIC NEMA 12/4 enclosure	

