


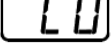
Modular Temperature Controller Comparison

Specifications

Operating temperature	32°F to 120°F (0°C to 50°C)
Shipping temperature	-40°F to 158°F (-40°C to 70°C)
Humidity	10 to 95% non-condensing
Sensor type	J or K thermocouple
Sensor range	32°F to 999°F (0°C to 537°C)
Sampling rate	250ms
Temperature accuracy	±0.3% of span
Displays	7-segment LEDs; 3-digit upper (red) and 3-digit lower (red)
Upper display height 14.2mm/ 0.56"	Actual Process Temperature
Lower display height 14.2mm/ 0.56"	Set Point or % Power or AMP Current
Output status indicator	Green
Load T/C Temp Alarm status indicator	Red
Soft start mode indicator	Green
Manual mode indicator	Red
Control output device type	Triac, 40 Amp at 120/ 240 Vac.
Operator Activation/ interface	5 momentary switches, 16A power switch.
Power requirements	240 VAC 50/60 Hz Nominal (120 VAC optional).

Diagnostics

Over Temperature Indication (+30°F/+17°C) 
LED Display with Accessory Alarm Output

Under Temperature Indication (-30°F/-17°C) 
LED Display with Accessory Alarm Output

Open T/C Indication..... 
LED Display with Accessory Alarm Output

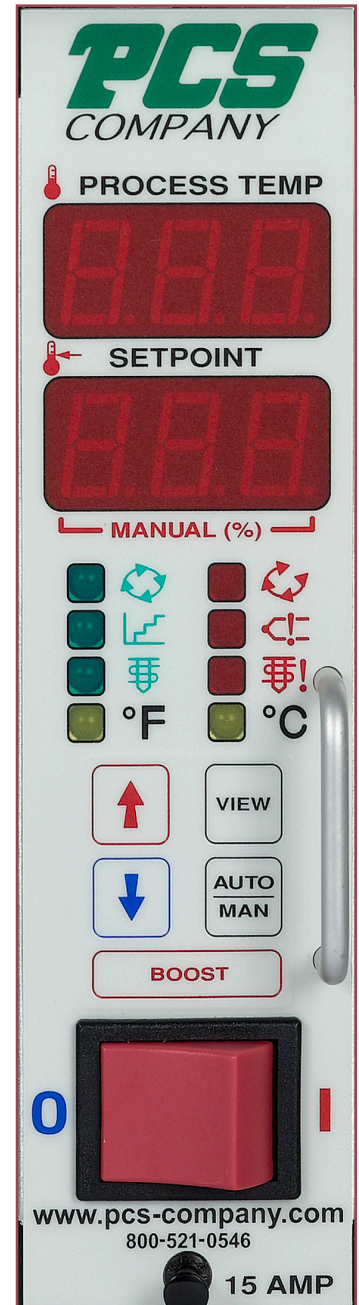
Reverse T/C Indications..... 
LED Display with Accessory Alarm Output

Shorted T/C Indication..... 
LED Display with Accessory Alarm Output

Shorted Output Indication..... 
LED Display with Accessory Alarm Output

Open Output Indication..... 
LED Display with Accessory Alarm Output

Ground Fault Indication..... 
LED Display with Accessory Alarm Output



Modular Temperature Controller Comparison

Chart information is based upon known product specifications as of 6/6/2013

Sold By :	PCS	DME SSM	DME DSS	I/T/C and IMS	I/T/C and IMS	Athena and PPE	Athena and PPE	Athena and PPE	Northern Supply	MCS	MCS
Model	VC-M	SSM1512	DSS1512	S20-D3C	UATC-20	IMP15	RMB15	RMC15	HRC-215	ITC15A	RTC15B
Soft Start	X	X	X	X	X	X	X	X	X	X	X
Dual Display	X		X		X		X	X	X	X	X
Auto Tuning	X		X	X	X	X	X	X	X	X	X
Bumpless Transfer (Auto to Manual)	X	X	X		X		X	X	X	X	X
Auto T/C Break Hold	X						X	X	X	X	X
Slow/Fast Load (Shorted Thermocouple)	X	X	X				X		X		
Thermocouple J or K	X	X		X	X	X	X	X	X	X	X
Degrees °F or °C	X	X	X	X	X	X	X	X	X	X	X
Auto Mode / Closed Loop	X	X	X	X	X	X	X	X	X	X	X
Manual Mode / Open Loop	X	X	X	X	X	X	X	X	X	X	X
Amperage	X			X	X	X	X	X	X	X	X
Boost Button (Output Power)	X		100% Power		X		X	X		X	100% Power
LED Display	X	X	X	X	X	X	X	X	X	X	X
Fuse Protection	X	X	X	X	X	X	X	X	X	X	X
Over/Under Alarms	X	X	X	X	X	X	X	X	X	X	X
Ground Fault Detection	X	X					X	X	X	X	X
Comm Buss Alarm Signal	X	X					X	X	X		X
Anti-Arc Protection (removal under power)	X	X	X	X	X	X	X	X	X	X	X
Power Surge Protection	X	X	X	X	X	X	X	X	X	X	X
Auto Self Diagnostics	X	X	X	X	X	X	X	X	X	X	X
Error Display	X	X	X	X	X	X	X	X	X	X	X
CE Compliant	X	X	X			X	X	X	X		X