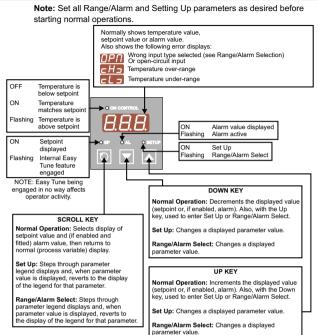
1/16-DIN SIMPLIFIED CONTROLLER CONCISE PRODUCT MANUAL (59224-4)

OPERATING MODE



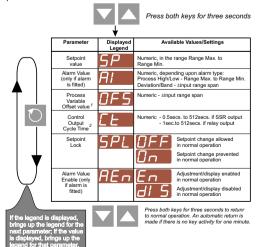
Front Panel

Adjusting Setpoint and Alarm Value

The normal display shows temperature value. Use the Scroll key to select display of setpoint value and (if enabled - see SETTING UP) alarm value. If adjustment of these parameters is enabled (see SETTING UP), us the Up/Down keys to adjust the displayed parameter value. Use the Scroll key to restore the temperature value display.

SETTING UP

NOTE: Set all Range/Alarm parameters as desired before starting Setup operations.



NOTES ON SETTING UP

1. The Process Variable (PV) Offset modifies the actual process variable (PV) value as follows:

Modified PV = Actual PV + PV Offset

The modified PV value is used for all PV-dependent functions (control, display, alarm). Choose this value with care; it is, in effect, a calibration adjustment. There is no indication when this parameter is in effect (i.e. has been set to a non-zero value).

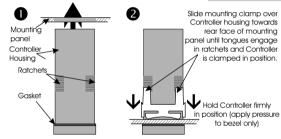
2. The cycle time required is dependent upon the process being controlled and the type of output being used. For a relay output, the cycle time should be as large as possible (whilst remaining compatible with the process control requirements) to maximise relay life. For an SSR output, the cycle time may have a lower value.

INSTALLATION

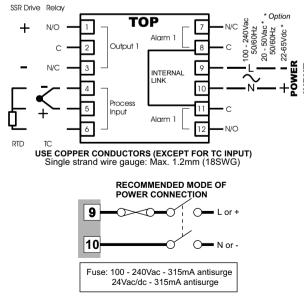
CAUTION: Installation should only be performed by personnel who are technically-competent and authorised to do so. Local Regulations regarding electrical installation & safety must be observed.

Panel-Mounting

The mounting panel must be rigid and may be up to 6.0mm (0.25 inches) thick. The cut-outs required for the Controllers are shown on the right. Controllers may be mounted side-by-side in a multiple installation for which the the cut-out width (for n Controllers) is (48n - 4)mm or (1.89n - 0.16) inches. The panel-mounting procedure is shown below:



Rear Terminal Connections



RANGE/ALARM SELECTION

 $\mbox{CAUTION:}$ The parameters in this mode must be adjusted only by personnel technically-competent and authorised to do so.

Entry

45mm

45mm

+0.5 -0.0

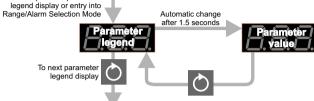
+0.5 - 0.0

Range/Alarm Selection Mode is entered as follows: 1. Press the Scroll and Up keys till the display flashes.

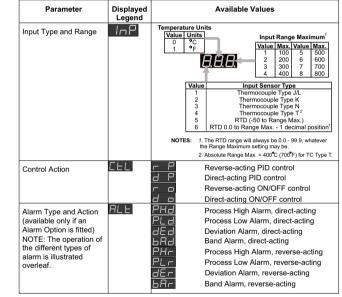
2. When the display starts to flash, release the Scroll and Up keys and press the Down key. The SET indicator will then start to flash and the legend of the first parameter in the sequence (Input Type and Range) will be displayed; 1.5 seconds later the value for that parameter will be displayed.

Parameter Selection/Adjustment

In this mode, the Scroll key is used to select the required display, as follows: From previous parameter



Once the required parameter value is displayed, the Up/Down keys can be used to alter that value; new values are implemented immediately. The parameter sequence is:



Return to Normal Operation

Select a parameter legend display.

2. During the 1.5-second legend display, press the Up and Down keys

simultaneously for three seconds.

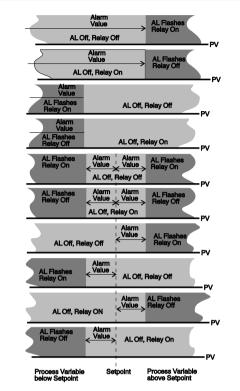
NOTE: An automatic return is made to normal operation if there is no key activity in Range/Alarm Selection mode for one minute.

Default Indication



This display (all decimal points ON) indicates that all Setting Up parameters have been set to their default values (caused by a change to one or more of the critical Range/Alarm Selection parameters). To clear this display, alter one of the Setting Up parameters.

ALARM OPERATION



SPECIFICATION

Dimensions

Weight:

	UNIVERSAL INPUT		
	Input Impedance	:	Greater than $100M\Omega$ resistive,
	Isolation:		Isolated from all outputs (except SSR) at 240V AC.
	OUTPUTS		
	Relay		
	Contact Type/Ra	ting:	Single pole double throw (SPDT); 2A resistive at 120/240V AC.
	Lifetime:		>500,000 operations at rated voltage/current. Isolated from all other inputs/outputs.
SSR Drive/TTL			
	Drive Capability:		SSR = 0 to 10V nominal into 500Ω min.
	Isolation:		Not isolated from input. Isolated from Supply and Relay Outputs
OPERATING CONDITIONS			DR INDOOR USE
	Ambient Tempera	ature (Operati	ng): 0°C to 55°C
Ambient Temperature (Storage): -20°C to 80°C			e): -20°C to 80°C
	Altitude:		<2000m
	Relative Humidity:		20% - 95% non-condensing
Supply Voltage:			100 - 240Vac 50/60Hz (standard) 7.5VA 20 - 50Vac 50/60Hz
	coppi, totago.		(option) 7.5VA or 22 - 65Vdc (option) 5W maximum.
ENVIRONMENTAL			
	Approvals: EMI Susceptibility: EMI Emissions: Safety Considerations:		CE. UL & cUL
			Complies with EN61326-1:2013
			Complies with EN61326-1:2013
			Complies with UL61010-1 Edition 3.
Front Panel Sealing:			To IP66.
	PHYSICAL	Depth:	110mm (behind panel)

Width: 48mm Height: 48mm

0.21kg maximum

Front Panel: Width:

Safety and Warning Symbols

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Risk of electric shock.

Caution, refer to the manual.

Alternating or direct current could be present.

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Equipment protected through-out by double insulation.