



AUTC48

UNIVERSAL CONTROLLER

USER MANUAL

VER. 1.0

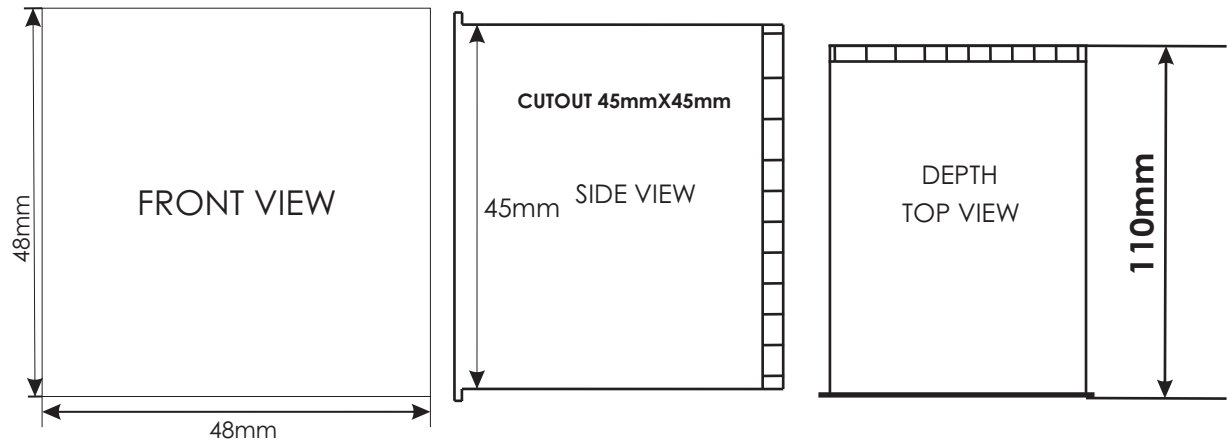


ARANKA

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DIMENSION



TERMINAL DISCRPTION

- 1 L [90~260VAC]
- 2 N [90~260VAC]
- 3 NO [RELAY 1]
- 4 C [RELAY 1]
- 5 NC [RELAY 1]
- 6 NC [RELAY 2]
- 7 - mA
- 8 + mA
- 9 RTD COM -
- 10 RTD COM +
- 11 +4~20mA[OUTPUT]
- 12 NO [RELAY 2]
- 13 C [RELAY 2]
- 14 - 4~20mA[OUTPUT]
- 15 RS485 - [COMMUNICATION OPTIONAL]
- 16 Rs485 + [COMMUNICATION OPTIONAL]

SPECIFICATIONS

POWER : 90~260VAC @ 50Hz

**INPUT RANGE : RTD 0.1 (-99.9 to 400.0),
RTD 1 (-99 to 400),
J (0 to 750),
K (0 to 1200),
R & S (0 to 1750),
mA/V (-999 to 9999)**

DISPLAY : SEGMENT

CONTROLLING : ON/OFF, PID

RELAY OPERATING MODE : HEAT & COOL

INSTRUMENT MOC : ABS

OPERATING TEMPERATURE : -40~55°C

OPERATING HUMIDITY : 0~85%RH

KEY FUNCTIONS



TO SET POINT RELAY FUNCTION



TO INCREASE VALUE &
IT WILL SCROLL 0 TO 9



TO SHIFT DIGIT



TO SAVE DATA
&EXIT TO MAIN DISPLAY

KEY	DISPLAY	FUNCTION
Power On	iplo	Displays when temp is low
	iphi	Displays when temp is high
	Open	Displays when sensor is not connected.
Exit, Inc, and Dec key press together for 3 secs.		To enter in Calibration mode.
Inc and Dec keys press together for 3 secs.		To enter in Parameter setting mode.
Press next key		To enter into alarm setting mode
Press next key for 3 seconds at power on		To enter into 4-20ma retransmission calibration setting
Process value		

CALIBRATION FUNCTIONS

KEYS	DISPLAY	FUNCTION
Press Exit, Inc and dec keys together for 3 sec to enter into calibration setting menu.		
Next Key	I_lo	Current input low point calibration. Give input of 4mA and Press dec key to save calibration.
Next key	I_hi	Current input high point calibration. Give input of 20mA and Press dec key to save calibration.
Next key	k_lo	K and J type thermocouple low point calibration. Give input of 0 mv and Press dec key to save calibration.
Next key	k_hi	K and J type thermocouple high point calibration. Give input of 40.83 mV and Press dec key to save calibration.
Next key	r_lo	r and s type thermocouple low point calibration. Give input of 0 mv and Press dec key to save calibration.
Next key	r_hi	R and s type thermocouple high point calibration. Give input of 20.87 mV and Press dec key to save calibration.
Next key	Abt	Set Ambient using Inc and Dec key settable from (-500 to 500)
Next key	rt_lo	Rtd low point calibration (at -200 degrees celsius). Press dec key to save calibration
Next key	rt_hi	Rtd high point calibration(at 400 degrees celsius). Press dec key to save calibration.

ALARM SETTING

KEYS	DISPLAY	FUNCTION
Press next key for 2 sec to enter into alarm setting mode		
	set1	Set point for alarm1. Use Inc and Dec keys to change set point value. Settable from 0 to 999.
Next key	set2	Set point for alarm2. Use Inc and Dec keys to change set point value. Settable from 0 to 999.
Next key		Machine goes back to main screen.

PARAMETER SETTING

KEY	DISPLAY		FUNCTION
Press Inc and dec keys together for 3sec to enter into parameter setting menu			
	Sen	Rtd1	Use Inc. and Dec. keys to change sensor type Options are:(rtd1,k,j,r,s,curr)
Next key	dp	0	Use Inc and Dec keys to change decimal points
Next key	IPC	Yes/No	Settable from (-199 to 999) using Inc and Dec key
[If sensor – anlg] Next key	LOK	100	Press Inc and Dec keys to change lock status.
Next key	rngl	-199	Use Inc and Dec keys to set Low range value.depend on selected sensor
Next key	mgh	400	Use Inc and Dec keys to set high range value. depend on selected sensor
Next key	co1	PId	Set Control1 parameter using Inc and Dec keys Options are: (OFF,HEt,COL,PId)
If PId is selected in con1			
Next key	Cyt	001	Cycle time settable form 1 to 60 using Inc and Dec keys
Next key	P-b	27.5	Settable from 0 to 999
Next key	Int	132	Integration time Settable from 0 to 999 usng inc and dec keys
Next key	drt	066	Derivative time Settable from 0 to 999 using Inc and Dec keys
If cooling,heating in con1			
Next key	Hy1	1	Set hys1 from 1 to 100 by using Inc or Dec key
Next key	dly1	1	Delay is settable from 0 to 254 using Inc and Decrement key
If off is selected in con1			
Next key	ID	1	Settable from 1 to 255.
Next key	con2	het	Select off,het and col
Next key	hys2	1	Set hys1 from 1 to 100 by using Inc or Dec key
Next key	Process value		Machine will go back to main screen

4-20mA RETRANSMISSION SETTING

KEYS	DISPLAY	FUNCTION
Power On		
Press Next key in start time		
Next key	Zero	Calibrate using inc and dec key for 4 mA output.
Next key	Span	Calibrate using inc and dec key for 20 mA output.



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