



GENERAL DESCRIPTION

- Integrate Fuse + Fuse Holder with built in Current Transformer
- Current Transformer integrated when HB option is selected on Controller
- Input signal SSR standard analogue is an option
- Zero crossing firing
- Electronic fully isolated from power with constant current drain on input
- Special heat Sink with very high dissipation value
- Operating temperature 40° C without derating
- Comply with EMC
- DIN RAIL side by side mounting
- IP20 protection

TECHNICAL SPECIFICATION TEMPERATURE CONTROLLER

- PID Temperature controller
- Automatic Tuning of PID parameters with Self Tune or Pretune procedure
- Manual setting when requested of PID parameters
- Three pallets of PID parameters can be enabled at programmed PV value
- Dual Display to read PV,Set Point ,Load current and all parameters
- Universal input for Thermocouple ,RTD and linear input
- Four configurable outputs as Relay,SSR,and 4:20mA
- Heating and Cooling controller with possibility to select the type of cooling for fan, water and oil
- RS485 communication from 19200 to 57600 Bauds Modbus RTU protocol
- The controller can be configured from front push button or via RS485 comm. or via USB port on front controller using CD Automation programming cable
- Auto/Manual with Bumpless Transfer facility
- Heather Break Alarm to diagnostic partial or total load failure
- RS485 port RTU Modbus Protocol
- Comply with CE-EMC
- Screw terminals as standard
- DIN rail mounting
- Dimensions Width: 36 Height: 121 Depth: 86
- Flat cable and connectors for multiple controller system

WIRING CONNECTION REVO-TC 2PH from 30A to 40A



LOAD TYPE





LOAD TYPE

ТЗ

DELTA Resistive or Infrared Lamps Long and medium waves

NOTE

- (1) A suitable device must ensure that the unit can be electrically isolated from the supply, this allows the qualified people to work in safety.
 - The user installation must be protecting by electromagnetic circuit breaker or by fuse isolator. The semiconductor fuses are classified for UL as supplementar protection for semiconductor.
- (2) The heat-sink must be connected to the earth.



DIMENSION AND FIXING HOLES

WIRING CONNECTION REVO-TC 2PH from 60A to 210A





REVO TC-TC has been sized for operating temperature of 40° C Over this temperature use the graphic above

OUTPUT FEATURES (POWER DEVICE)

Current A	Voltage range (V)	Ripetiti reverse (480V)	ive peak voltage (600V)	Latching current (mAeff)	Max peak one cycle (10msec.)	Leakage current (mAeff)	I2T value for fusing tp=10msec.	Frequency range (Hz)	Power loss I=inom (W)	Isolation Voltage Vac
60A	24÷600V	1200	1600	450	1000	15	4750	47÷70	130	2500
90A	24÷600V	1200	1600	450	2000	15	19100	47÷70	168	2500
120A	24÷600V	1200	1600	450	1540	15	11300	47÷70	276	2500
150A	24÷600V	1200	1600	450	2000	15	19100	47÷70	324	2500
180A	24÷600V	1200	1600	300	4800	15	108000	47÷70	356	2500
210A	24÷600V	1200	1600	300	5250	15	128000	47÷70	404	2500

FAN SPECIFICATION

Supply: 230V Standard	Input Power 16W
Supply: 115V Option	Input Power 14W

ORDERING CODES REVO-TC 2PH

		1	2	3	4	5	6		7	8	9	10	11	12	13	14	15	16
REVO TC 2PH		R	T	2	_	_	_	-	_	_	_	_	_	_	_	_	_	_
3 Phase Controlled		7	7 Max Voltage				11 Output 3				14 Approvals							
Description code Numeric code		1	Description code Numeric code				Description code Numeric code				Description code			Numeric code				
1 PHASE UNIT 1PH	2		480V			4		1 off D/I 24v d.c.				1		CE EMC For European				
			600V			6 1 off D/O Relay contact		:	2		Market			0				
4,5,6 IPH/2PH/3PH		8	8 Aux. Voltage supply					12 Fuse & Option				cUL pending up to 210A			L			
Description code Numeric code			Description code Numeric code			ode	Description code Numeric code											
30A 0 3 0 (3)			12:24	ac dc	1c 4			For All Units $= < 40$ A				15 Manual						
35A 0 3 5						· · ·		Fuse & Fuse Holder				Descri	ption co	de	Numeri	c code		
40A 0 4 0		9			Input			Fuse & Fuse Holder + CT				Y		None			0	
60A	060		Descripti	on code	N	umeric c	ode	Fuse	& Fuse F	lolder				Italia	n Manu	al	1	
90A 0 9 0						Tumene code		+CT +HB with screw terminals		Н		_	English Manual		ual	2		
120A	120		Thermo	couple		T		Fuse	& FUSE I	1010er lat Cablo		Y		Germ	an Mani	ial	3	
150A 1 5 0			Pt 100			N		For All linits > 404		-			French Manual		al	4		
180A	180		0:10	v ac		<u>v</u>		Fixed	Fuses St	andard		F						

LEGEND

CT = Current Transformer HB = Heater Break Alarm

210A

Note (1): Fixed fuses over 40A

Note (2): The temperature controller can be mounted as an option on all

210(2)

CD automation Thyristor unit

Note (3): Available on 2 - 3PH only Note (4): Available on RT1 only



-	mux voituge						
De	scription code	Numeric code					
	480V	4					
	600V	6					
8	Aux. Voltage supply						
De	scription code	Numeric code					
	12:24V ac dc	4					
9	Input						
De	scription code	Numeric code					
T	hermocouple	Т					
	Pt 100	N					
	0:10V dc	V					
	4:20mA	A					
10	10 Output 2						
De	scription code	Numeric code					
Re	elay Output 2	R					
ŀ	leating Only	0					
	0 /						

11 Output 3								
De	scription code	Numeric code						
1 0	off D/I 24v d.c.	1						
1 off [D/O Relay contact	2						
12 Fuse & Option								
De	scription code	Numeric code						
For / Fus	All Units = < 40A e & Fuse Holder	F						
Fuse &	& Fuse Holder + CT	Y						
Fu: +CT +H	se & Fuse Holder B with screw terminals	Н						
Fus +CT +	e & Fuse Holder HB with Flat Cable	Х						
For Fixe	All Units > 40A	F						
Fixed	Fuse Standard + CT	Y						
Fixe	ed Fuse Standard + CT + HB	Н						
13 Fan Option								
De	Numeric code							
No fa	an for unit =< 90A	0						
Fan 1	10V for unit > 90A	1						
Fan 2	20V for unit > 90A	2						

De	scription code	Numeric code				
CE EI	MC For European Market	0				
cUL	pending up to 210A	L				
15	Man	ual				
De	scription code	Numeric code				
	None	0				
lt	alian Manual	1				
Er	nglish Manual	2				
Ge	erman Manual	3				
Fr	ench Manual	4				
16	Vers	ion				
De	scription code	Numeric code				
	Standard unit					
wi	th a single fuse	1				
U	nit with 2 Fuses					
+ Fi	ıse Holder . =< 40A					
(Just o	n single phase units)	2 (4)				