

REVO SSR from 30A to 40A





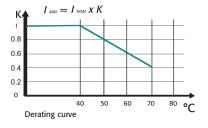
GENERAL DESCRIPTION

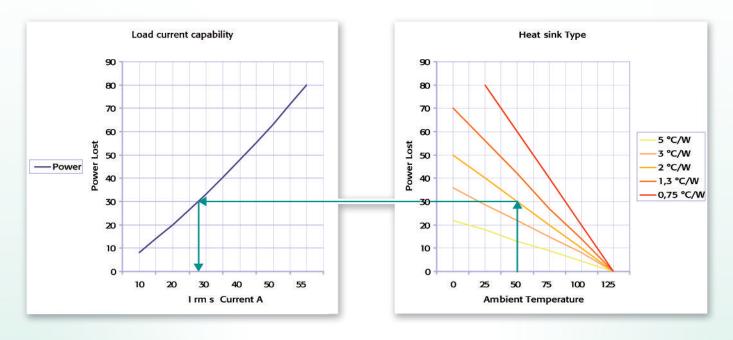
Revo S has been specifically designed to save space and labour

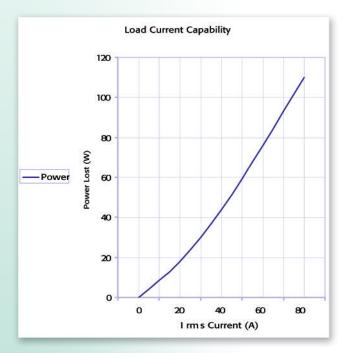
- These simple units can be connected with REVO PC to manage multizone system this minimize your energy cost by controlling synchronization and power limit on each zone
- Integrated fuse + fuse holder option is necessary to have a complete power control zone including current transformer and optional circuit board
- Flat Cable Wiring System (option) to connect in plug in mode many Revo S when HB alarm or analog input are used
- Input signal: SSR, Analog input is available as an option possible with Fuse Holder
- Zero Crossing, Burst Firing available at 4, 8 or 16 Cycles at 50% of Power demand using analogue input option
- Electronic fully isolated from power with constant current drain on input.
- Heater Break alarm option to diagnose partial or total load failure and Thyristor Short circuit
- Fuse and Fuse holder are available as an option
- Current transformer integrated (with Heather Break option)
- Comply with EMC
- Side by side mounting
- IP20 Protection

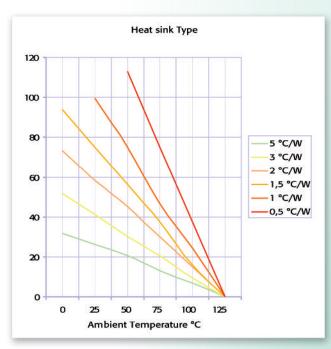
TECHNICAL SPECIFICATION

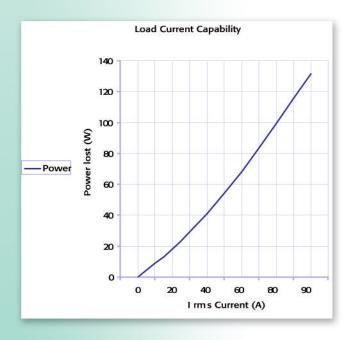
Voltage power supply	24V minimum up to 480V, 600V On request									
Voltage Frequency	50 or 60 Hz no setting needed from 47 to 70 Hz									
Nominal Current	62 - 74 - 90A (see graph page 2)									
Input Signal	SSR for REVO S, No Fuse, SSR for REVO S, Fuse + Fuse Holder SSR for REVO S, Fuse + Fuse Holder,+ HB Voltage input Current input	5:30Vdc 7:30Vdc 4:30Vdc 0:10Vdc 0:20/4:20mA	9mA Max (On ≥ 5Vdc Off ≤ 4Vdc); 9mA Max (On ≥ 7Vdc Off ≤ 6Vdc); 5mA Max (On ≥ 4Vdc Off ≤ 1Vdc); impedance 15 K ohm; impedance 100 Ohm;							
Firing	Zero Crossing, Burst Firing with analog input signal only, random									
Auxiliary Voltage Supply	12:24V dc/ac (max 70 mA) required only with HB Alarm or Analog Input Option									
Heater Break Alarm	Microprocessor based with automatic setting via Digital Input; Relay Output 0,5A at 110V									
Mounting	Side by side mounting									
Operating Temperature	40 °C without derating. Over this temperature see below derating curve									
Storage temperature	-25 °C to 70 °C Max									
Altitude	Over 1000 m of altitude reduce the nominal current of 2% for each 100m									
Humidity	From 5 to 95% without condense and ice									

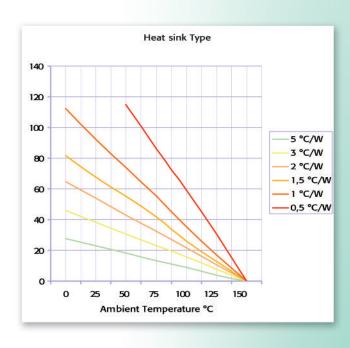




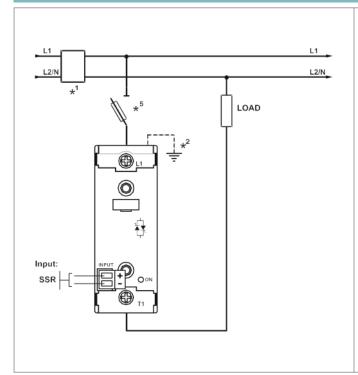


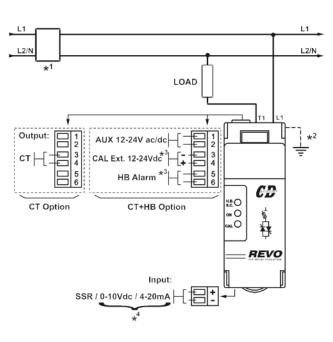






WIRING CONNECTION REVO SSR

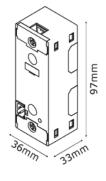




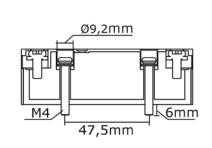
NOTE

- (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.
- (3) Only for the HB option
- (4) Only for the Analog Input option.
- (5) Use the extrarapid fuse with low I^2t .

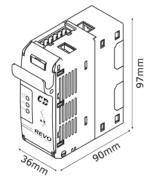
DIMENSION AND FIXING HOLES



SR3 W 36mm. - H 97 mm. - D 32 mm. - kg. 0,12 **REVO SSR 62 - 74 - 90A**

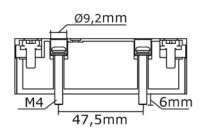


REVO SSR 62 - 74 - 90A



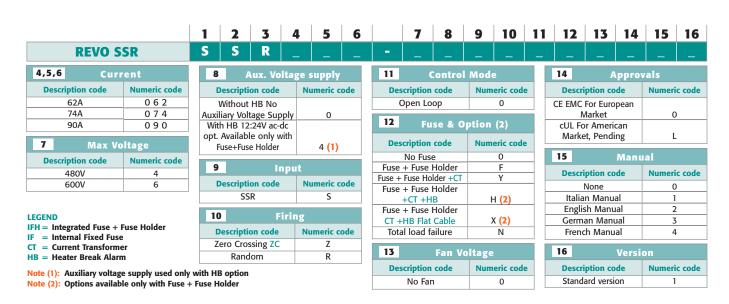
SR6 W 36mm. - H 97 mm. - D 90 mm. - kg. 0,29

REVO SSR with Fuse 62 - 74 - 90A



REVO SSR with Fuse 62 - 74 - 90A

OUTPUT FEATURES (POWER DEVICE)								
Nominal current in continuos service:	see graph page 2							
Max peak current (10ms):	400A for unit type 030 600A for unit type 035 800A for unit type 040							
Voltage range:	24÷600V							
Repetitive peak reverse voltage:	1200V (480V), 1600V (600)							
Latching current:	230A							
Leakage current:	150mA eff							
I²t value tp=10msec:	780A²/S for unit type 62A 1750A²/S for unit type 74A 3110A²/S for unit type 90A							
Frequency range:	47 ÷ 70Hz							
Power loss:	see graph page 2							
Isolation Voltage:	2500Vac							



			1		2	3	4	5	5	6		7	8	9	10	11	12	13	14	15	16
REVO ANALOG (3)		S		S	R		_	.		-		<u> </u>	<u> </u>		_	<u> </u>	<u> </u>	<u> </u>	<u> </u>	_	
4,5,6	Curre	nt		9 Input					11	11 Control Mode					14 Approvals						
Description c	ode	Numeric code		Description code		e	Numeric code		le	Description code			Nun	Numeric code		Description code			Numeric code		
62A		062		0:10V Analog Input			ut	V (2)			Open Loop				0		CE EMC For European				
74A		0 7 4	4	4:20 mA Analog Input			Α ((2)									Market		0		
90A		090		10 -11					12 Fuse & Option					cUL For American							
			10 Firing						Description code Numeric code					e L	Market, Pending L						
7 Max Voltage			Description code Numeric code					le	Fuse + Fuse Holder F					15 Manual							
Description o	ode	Numeric code		Burst Firing 4 Cycles On at 50% Power Demand Burst Firing			4			Fuse + Fuse Holder +CT Fuse + Fuse Holder +CT +HB Fuse + Fuse Holder			Г	Υ	_	Description code			Numeri	c code	
480V		4												H (2)			None	0			
600V		6				1			-					П (2)	\dashv		an Manu				
8 Aux. Voltage supply			8 Cycles On at 50%						+CT +HB						English Manual			2	2		
• Aux.	. voita	ge supply		Pov	er D	emand	i	8	3		+Fla	Wiring	System		X (2)			an Man		3	
Description o	ode	Numeric code				iring					0 /					French Manual			4		
12:24V ac-	dc	4		16 Cycles On at 50%				13 Fan Vo			oltage	oltage		16 Versi			on.				
			Power Demand 6				Description code !				neric cod	e									
	ote (2): Options available only with Fuse + Fuse Holder						No Fan 0								Numeri	c code					
Note (3): All the REVO Analog version have Fuse + Fuse Holder													Standard version 1								

