





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 .



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 6 7 8 9 10 11 12 13 14 15 16

REVO S	SR	SSR.		-								
4,5,6 Current 8 Aux. Voltage supply				11	Control	Mode	14	14 Approvals				
Description code	Numeric code	Description code	Numeric code	Descri	ption code	Numeric code	Des	cription code	Numeric code			
62A	062	Without HB No		Ор	en Loop	0	CE EM	C For European				
74A	074	Auxiliary Voltage Supply	10	-			Market	0				
90A	090	With HB 12:24V ac-dc		12	Fuse & Op	ption (2)	cUL	For American				
7 Max Voltage		Fuse+Fuse Holder	4 (1)	Descri	ption code	Numeric code	Mar	ket, Pending	L			
Description code	Numeric code			No Fuse		0	15	Man	ual			
480V	4	9 Inpu	Fuse +	Fuse Holder	F	Des	cription code	Numeric code				
600V	6	Description code	Fuse + Fu	se Holder +CI	Y		None	0				
		SSR	S	ruse +	T +HB	H (2)	lta	lian Manual	1			
		10	Fuse +	Fuse + Fuse Holder			English Manual 2					
LEGEND			CT +HI	3 Flat Cable	X (2)	Ger	man Manual	3				
IF = Internal Fixed Fuse		Description code	Numeric code	Total I	oad failure	N	Fre	nch Manual	4			
CT = Current Transformer		Zero Crossing ZC	17	Fee Me	ltere	16 Manalan						
HB = Heater Break Alarm		Random R		13	Fan vo	Itage	10	vers	ron			
Note (1): Auxiliary voltage supply used only with HB option					iption code	Numeric code	Des	cription code	Numeric code			
Note (2): Options available only with Fuse + Fuse Holder				N	lo Fan	0	Star	ndard version	1			

Note (2): Options available only with Fuse + Fuse Holder

	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15	16
REVO ANALOG (3)		S	R	_	_	_	-	_	_	_	_	_	_	_	_	_	_
4,5,6 Current		9		nput			11	(Contro	l Mod	e		14		Appro	vals	
Description code Numeric co	e	Descripti	on code	N	umeric o	ode	Des	cription	code	Num	eric cod	e	Descr	iption co	ode	Numeri	ic code
62A 0 6 2	4.	0:10V Analog Input V (2) 4:20 mA Analog Input A (2)				(Open Lo	ор		0		CE EMC	For Euro Market	C)		
90A 0 9 0		10 Firing			12	12 Fuse & Option					cUL Fo Marke	L	-				
7 Max Voltage		Description code Numeric code		code	Fuse + Fuse Holder		Null	F		15		Manual					
Description code Numeric co		Burst	Firing	ing at 50% mand 4			Fuse +	Fuse + Fuse Holder Y		Y	- 1	Description code			Numeri	ic code	
480V 4	_ '	Power D	Demand				+CT +HB			H (2)			None	0			
600V 6		Burst	Firing				Fuse + Fuse Holder						Italia	in Manu	1		
8 Aux, Voltage supply		8 Cycles On at 50%				+CT +HB					English Manual			2	2		
Description code Numeric co		Power D Burst)emand Firing		8		+Flat Wiring System				X (2)		French Manual			4	
12:24V ac-dc 4	10	6 Cycles (On at 50	9%			13		Fan V	oltage			16				
L L		Power D	emand		6		Des	cription	code	Num	eric cod	e	10		Versi	on	
Note (2): Options available only with Fe	e + Fuse	Holder						No Fa	n		0		Descr	iption co	ode	Numeri	ic code
Note (3): All the REVO Analog version	ve Fuse -	+ Fuse Ho	lder								-	- [Stand	lard vers	ion	1	

