

Comparison Chart: SA-027HQ New vs. Old

Model	SA-027HQ (New)	SA-027HQ (Old)
Plastic case	4 ³ / ₁₆ "x3 ¹ / ₁₆ "x1 ¹ / ₄ " (107x78x31 mm)	
Relay	Dry Form C x2 10A@24VDC	
Connection	16 pins	14 pins
Operating voltage	10~48 VDC, 12~24VAC	10~24 VDC, 12~24 VAC
Egress input	Yes, for each relay	
First man input	Yes, for each relay	
Backup battery type (Not included)	12VDC battery	12 or 24 VDC battery
LCD Display	16x2 Standard module	8x2 Standard module
Program switch	2	4
LED Indicator	2x Relay Red LED Indicator	Power on
Back light	Yes, White LED	Yes, Yellow Green LED
Tandem	Yes, disable/enable (by program)	Yes, by jumper switch
Timer backup battery	Super capacitor	CR2032
Memory saved if power fails	Yes	
Clock format	24 Hour	
Security code	Yes, Disable / enable 4-digits (Pre-set 0000)	
Setting the time	Yes, visual to second	Yes, without visual to second
Setting the event	Any 1~7 days block schedule or holiday event or day of annually event. 99 for each relay total 198 events. Relay Disable/ON/OFF/Time 1~99 seconds	Block schedule or holiday event or day of the week event. 50 of each relay total 100 events. Relay ON/OFF/Pulse 1~99 seconds
Setting holiday	1~31 days. Start time 00:00 & End time 23:59 20 holidays	1 day start time can be programmed. 10 holidays
Setting DST	Yes, can be set to USA / EU-E / EU-C / EU-W / ON / OFF	Yes, USA DST only
System test	Program relay ON or OFF	By UP and DOWN tact switch
LCD display contrast	0~10 contrast level adjustment or by SEL & ENTER switch to adjust	No
Clear memory	Yes	
Exit program	Yes 30 seconds auto exit or enter exit symbol	Yes 30 seconds auto exit press set switch
Status check	Yes, for easy troubleshooting Relay 1 ON or OFF, Relay 2 ON or OFF Power input voltage, Backup battery voltage and charge symbol and device temperature	No
Smart charge function	Yes. Backup battery low than 9.5V will not charge Backup battery charge more than 12.8V or more than one week then will stop charge. Will automatically charge when adapter backup battery to SA-027HQ or more than two weeks without charge.	No