



Comparison Chart: SA-027HQ New vs. Previous

Model	SA-027HQ (New)	SA-027HQ (Previous)
		
Operating voltage	10~48 VDC, 12~24VAC	10~24 VDC, 12~24 VAC
Connection	16 easy-to-reach screw terminals	14 screw terminals
Relay	Two (2) Dry Form C, 10A@14VDC	
Egress input	1 per relay	
First-man in (FM) input	1 per relay	
Backup battery type	12VDC battery (not included)	12 or 24 VDC battery (not included)
LCD Display	Large 2 ⁵ / ₈ "x5 ⁵ / ₈ " (66x16 mm) easier-to-read screen displays twice the data	Small 1 ³ / ₈ "x9 ⁹ / ₁₆ " (35x15 mm) screen
Display backlight	White LED	Yellow-green LED
Adjustable display contrast	0~10 contrast levels	No
Programming buttons	2 buttons for simpler programming	4
LED Indicator	1 per relay to indicate relay status	1 to indicate power on
Tandem mode	Enable/disable in programming	Enable/disable by jumper switch
Clock backup battery	Super capacitor, preserves time/date 7~10 days	CR2032, must be replaced
Clock format	24-Hour (military) format	
Time setting	Time can be set to the second	Time can be set only to the minute
Programming DST	Automatically schedule USA, EU-E, EU-C, EU-W time changes, or manually set ON or OFF	USA DST only
Programming events	Up to 198 events (99 per relay) weekly, or on certain dates. Block programming need not be consecutive days. Each event relay can be set to Disable, ON, OFF, or Timed (1~99 seconds)	Up to 100 events (50 per relay) with block scheduling for consecutive days. Each event relay can be set to ON, OFF, or Timed (1~99 seconds)
Programming holidays	Up to 20 holidays (24-hour calendar days), each holiday programmable from 1~31 days	Up to 10 holidays, each 1 day, but start/end time can be programmed
System test	Test each relay in Status Check (below)	Using the UP and DOWN tactile switch
Status check	Relay 1 ON or OFF, relay 2 ON or OFF, power input voltage, backup battery voltage, backup battery charging indication, and internal device temperature	No
Smart charge function	Extends the life of the battery by charging only as needed instead of continuous trickle charge	No
Enclosure Size	4 ³ / ₁₆ "x3 ¹ / ₁₆ "x1 ¹ / ₄ " (107x78x31 mm)	