



COMPARATIVE ANALYSIS
APC-SV4/8 vs. R850 – 4/8 STEP CONTROL

Specification/Feature	APC-SV4	APC-SV8	R850-4	R850-8	Specific Advantage
Latest Microcontroller Technology	√	√			Low power consumption, high performance
Low Parts Count	√	√			High reliability
RoHS Compliant	√	√			Lead free
Rugged 170Tg High temperature PCB Matl.	√	√			Lead free, stronger material
Intuitive Wiring	√	√			Easy to integrate into new applications
Accepts seven industry standard inputs	√	√			Greater user flexibility / wider range of applications
Vernier Output	√	√	√	√	
Hi Resolution 10 Bit Vernier Output	√	√			Less temperature fluctuation
Stage delay from 0 to 3 minutes	√	√			Greater user flexibility / wider range of applications
Pulsed/Analog Vernier Stage	√	√	√	√	
Custom software to fit special requirements	√	√			Wider range of applications
4 Stage unit flexibility	√		√		
Expandable to 16 Zones	√	√	√	√	
FIFO expandable to 16 stages	√	√			Greater user flexibility / wider range of applications
Test Button	√	√	√	√	Easy troubleshooting
Intuitive slave unit setup	√	√			Easy to integrate into new applications
MOV Output Protection	√	√	√	√	

The APC-SV4 and APC-SV8 Step Controls have been designed from the ground up for easier setup, better performance, higher reliability and RoHS compliance. The footprint and output connections are the only thing that is common between the APC-SVX and the R850. While the R850, is an older design, the APC-SVX utilizes the latest Microcontroller technology to reduce the component count and provide increased reliability and performance. Specific performance advantages such as the Hi resolution Vernier output will increase the temperature stability of the process. Due to the FLASH Microcontroller technology, the program can be customized to meet the requirements of applications that are beyond the standard feature set.