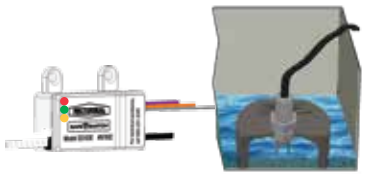
Comparison of Electronic Condensate Switches

Electronic switches that detect clogged air conditioning condensate drains differ in the location, wiring and indicators. Compare to see which switch is the best.

RECTORSEAL

SAFE-T-SWITCH

On Duty 24/7 AquaGuard®

	Wet Switch WS-1	AG- 1250E	Safe-T-Switch SS700E	Noteworthy Difference
				
Location	Bottom of Auxiliary drain pan	Double-sided tape to rest Bottom of Drain Pan OR mounting clip to the side of Secondary Pan	Bottom of Auxiliary drain pan	
Warranty	1 year	1 year date of purchase	2 years	
Wiring	24VAC/DC, 2 Amp, 72" 22 AWG stranded cable	24VAC, 5 Amp 72" wires. Two wires available for either "Normally Open" or "Normally Closed" connection	24VAC/DC, 5 Amp 60" 18 AWG Led wire dedicated power allows for use with any 24 volt AC or DC system. N.O. or N.C. options	5 Amp Condensate Shut-off Switch is better suited for high-efficient systems
How does it sense Moisture?	Hydrophilic pad acts as a "wick". The polymeric fiber draws water into the sensor.	Metal contacts on bottom of switch	Logic circuit continuously samples the Dual-sensor probes for water. Circuit determines if condition is "transient" or "permanent". If "permanent", SS700E will shut down the system.	
Can device adjust for Sensitivity?	No. One distributor promotes "One or two drops will cause Wet Switch to turn off the unit"	Appears to be fixed at 1/16" water height. Can be mounted to side of pan for different sensitivity.	Yes. Like ALL Safe-T-Switches, height of Dual-sensor probes can be adjusted depending on the situation.	With the SS700E, better choice in application where water flow is "normal", and is NOT considered to be a "flooding" condition (e.g. ice machines).
LED Indicator location	LED is mounted directly on sensor.	LED is mounted directly on sensor.	24" wiring FROM the Dual-sensor device to the LED indicator (which can be mounted by Service Technicians for easy visibility).	If system shut-down for reason other than a CLOGGED drain, technician can easily rule out if LED is more visible
LED Colors	Green LED: Power	ONE Moisture Detection LED indicating moisture	Green LED: No overflow detected	
	Red LED: Moisture detected.		Red LED: Overflow detected.	
			Yellow/Amber LED: Overflow detected during last four days	If water recedes after Red LED condition, the LED will then turn yellow. Yellow constitutes DRY condition after sensing water which alerts technician of a "slow" drain that should be addressed
How do you Reset the device?	Must take Wet Switch OUT of the drain pan and press "Push to Reset" button. Normally requires using "hair dryer" to reset.	Auto reset.	Switch automatically allows normal system operation after water recedes. Amber LED will automatically reset following four days of NO WATER DETECTED as indicated by Amber/yellow LED. Technician can manually reset by touching both probes with finger until LED returns to Green.	If Service Technician cannot return to job to reset Amber LED after drain has been dry for four days, system using Wet Switch will NOT restart. Wet Switch NEEDS to be manually reset even if drain is dry!

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