

INPUT STATE / STIMULUS					Cord Ckt Relays		LAMPS * = buzzer			COMMENTS	
					S	T	(L) CS	(R) AS	Sta/Ext		L Cord
										Assumes no "AD" relay option Blue type indicates not used in real life, but included for testing thoroughness	
- or plugged in	on/off hook	- or plugged	on/off hook	in/out-up/out-right							The states in this chart represent typical 555 operation and standard 555 options. Your mileage may vary
-	-	-	-	(any)	-	-	-	-	-	-	All idle
-	-	-	-	(any)	-	-	-	√	-	-	Station off hook, no plugs
not plugged	-	station	on hook	in	-	-	-	-	-	√*	
-	-	station	on hook	out-up	√	-	-	-	√	√*	
-	-	station	on hook	out-R	√	-	√	-	-	√*	
-	-	station	OFF	in	-	-	-	-	-	√*	
-	-	station	OFF	out-up	√	-	-	√	√	-	Sta OFF hook and R cord plugged in
-	-	station	OFF	out-R	√	-	√	√	-	-	
station	on hook	station	OFF	in	-	-	-	-	-	√*	
station	on hook	station	OFF	out-up	√	-	-	√	√	-	Left Cord plugged station (left ON hook)
station	on hook	station	OFF	out-R	√	-	√	√	-	-	
station	OFF	station	OFF	in	-	-	-	-	-	√*	
station	OFF	station	OFF	out-up				√	-	-	Both stations OFF hook
station	OFF	station	OFF	out-R				√	-	-	
station	OFF	station	on hook	in	-	-	-	-	-	√*	
station	OFF	station	on hook	out-up	√	-	√	-	-	-	Left station OFF hook, right station ON hook
station	OFF	station	on hook	out-R	√		√	-	-	-	
station	on hook	station	on hook	in	-	-	-	-	-	√*	
station	on hook	station	on hook	out-up	√	-	-	-	√	√*	Both stations ON hook
station	on hook	station	on hook	out-R	√	-	-	-	-	√*	
trunk	(n/a)	station	OFF	in	-	-	-	√	-	-	Left cord plugged into Trunk ckt jack Used for Night and when station needs to Rotary Dial
trunk	(n/a)	station	OFF	out-up	-	√	√	√**	-	**	Left→Trunk; R.Lamp extinguished (AS is operated)
trunk	(n/a)	station	OFF	out-R	-	√	√	√**	-	**	Left → Trunk
trunk	(n/a)	station	on hook	in	-	-	-	-	-	√*	Left → Trunk
trunk	(n/a)	station	on hook	out-up	-	√	√	-	-	√*	Left → Trunk
trunk	(n/a)	station	on hook	out-R	-	√	√	-	-	√*	Left → Trunk
										* Buzzer typically "follows" R. cord lamp	
Cord ckt Ring keys (buttons) have no effect on the state of a 555, and thus are not shown										** →	** Depending on the impedance of the POTS connected to that station (as well as cord options), AS may not operate & Lamp will still be lit
										AS typically "follows" R. station OFF hook	
										CS for sta-to-sta, CS generally "follows" L. station OFF hook	
										T operates on trunk calls	
										S typically "follows" R. cord plug insertion	