

Automatic Phase Changeover Circuit – Reading Sheet

Test No.	R Phase Input (V AC)	Y Phase Input (V AC)	B Phase Input (V AC)	Comparator Output	Relay ON	Active Phase to Load	Load Status (ON/OFF)	Remarks
1	230	230	230	High (All)	None	R (default priority)	ON	Normal all phases OK
2	180	230	230	R=Low, Y & B=High	RL2	Y	ON	R voltage low
3	180	180	230	R, Y = Low, B = High	RL3	B	ON	Only B OK
4	180	180	180	All Low	RL3 (fallback)	B (last priority)	ON	Weak fallback
5	230	180	180	R = High	None	R	ON	Priority phase R available
6	0	0	230	Only B=High	RL3	B	ON	All else failed
7	0	0	0	All Low	ALL ON	Short risk (bad config)	OFF	Should avoid — logic conflict