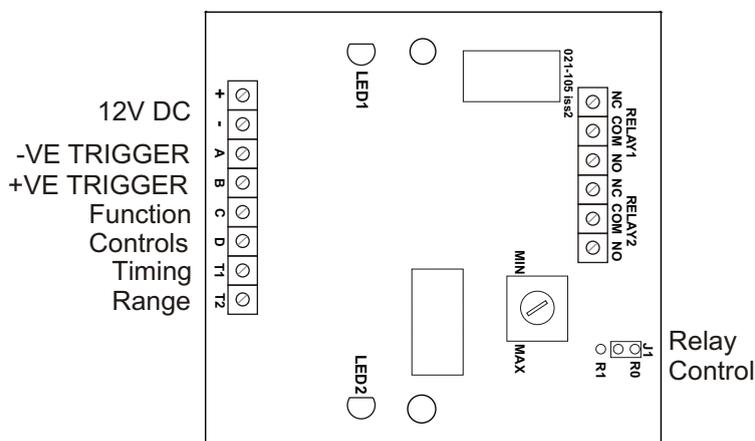


S351 Universal Timer Relay

Control Functions	Timing Function with latching trigger	Timing Function with momentary trigger
<p>Commutating Relay <u>Setup</u> The function control terminals C and D are not connected. The Relay control jumper is in position R0 and the timing range T1 and T2 are not connected and have no function. The POT has no function. <u>Operation</u> Apply a trigger. The relay changes over and the green led indicates. This will remain until the first trigger is removed and a second trigger is applied, then the relay will switch back and the red led will indicate, until the trigger is removed when the led will extinguish.</p> <p>A-stabling Relay <u>Setup</u> The function control terminals C and D are both connected to +ve. The Relay control jumper is in position R0 and has no function. <u>Rate of A-stable.</u> Without a link in T1 and T2 is the lower range from less than 1 second up to 10 seconds. When T1 and T2 are linked, this is the upper range from 3 to 60 seconds. <u>Operation</u> Apply a trigger and the relay will a-stable. When the relay is switched the green led illuminates and when the relay is un-switched, the red led illuminates. When the trigger is removed, the relay will stop a-stabling, reset to the un-switched state and the led will extinguish.</p>	<p>Bell cut off timer <u>Setup</u> The function control terminals, D is connected to +ve and C is not connected. The relay control jumper is in position R1. <u>Timing ranges</u> Without a link in T1 and T2 is the lower range from less than 1 second up to 60 seconds. When T1 and T2 are linked, this is the upper range from less than 1 minute up to 60 minutes. <u>Operation</u> Apply a trigger, the green led illuminates, but the relay doesn't switch. If the trigger is removed, the led extinguishes and the timing is stopped. If the time period expires while the trigger is still applied, then the relay switches and the red led illuminates. This will remain until the trigger is removed.</p> <p>Max time switch <u>Setup</u> The function control terminals, D is connected to +ve and C is not connected. The relay control jumper is in position R0. <u>Timing ranges</u> as above. <u>Operation</u> Apply a trigger, the green led illuminates, and the relay switches. If the trigger is removed, the led extinguishes, the relay switches back and the timing is stopped. If the time period expires while the trigger is still applied, then the relay switches back and the red led illuminates. This will remain until the trigger is removed.</p>	<p>Reset pulse <u>Setup</u> The function control terminals, C is connected to +ve and D is not connected. The relay control jumper is in position R1. <u>Timing ranges</u> Without a link in T1 and T2 is the lower range from less than 1 second up to 60 seconds. When T1 and T2 are linked, this is the upper range from less than 1 minute up to 60 minutes. <u>Operation</u> Apply a trigger, the green led illuminates, but the relay doesn't switch. If the trigger is removed, the timing continues. When the time period expires with the trigger removed, then the relay switches and the red led illuminates. This will remain for 1 second, then the relay will switch back and the led extinguish.</p> <p>Pulse stretching <u>Setup</u> The function control terminals, C is connected to +ve and D is not connected. The relay control jumper is in position R0. <u>Timing ranges</u> as above. <u>Operation</u> Apply a trigger, the green led illuminates, and the relay switches. If the trigger is removed, the timing continues. When the time period expires with the trigger removed, the relay switches back and the red led illuminates for 1 second and then extinguishes.</p>

The trigger terminals, A is a -ve applied to trigger, B is +ve applied to trigger.



Note

This unit requires 12v dc to power it at all times. (10-14v dc). If the input is not removed when the timing has finished in both momentary trigger modes, then the led will remain illuminated red and the relay will remain in the state that it was when the led illuminated red until the trigger is removed.

Contact ratings

The relay is DPCO rated 1Amp @ 12v dc. It must not be used to switch mains voltages.

Boxed Version. If you have the boxed version of the S351, the decal (included) has a clear window 10mm x 46mm. The area under the decal is 12mm wide to take standard labelling machine tape. The window is free from adhesive, nevertheless, it is wise to maintain cleanliness and avoid fingerprints on the inside of the window. If a labelling machine is not available a paper label can be used. For a small extra charge these products can be factory labelled to your requirements (subject to a character limit).



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