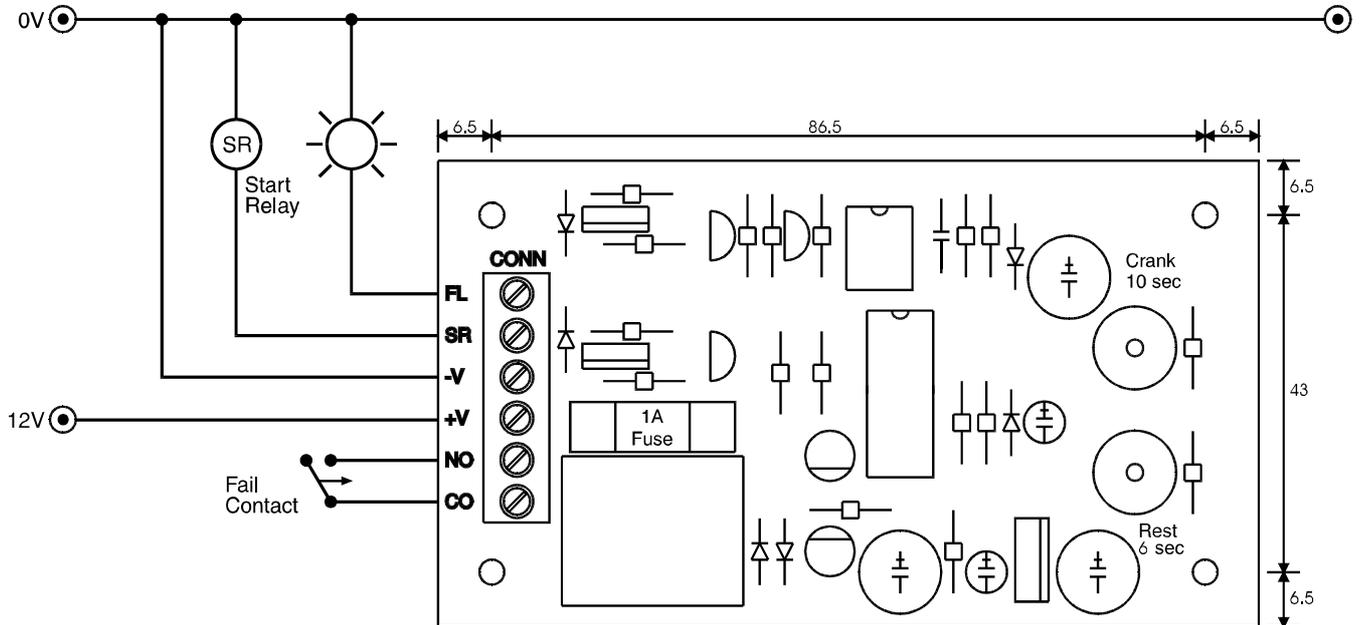


Model : CGC-1
 Description : Fire-fighting Gen-set Cranking Controller



Utilization:

The CGC-1 fire-fighting gen-set cranking relay is designed to crank start a generator with crank and rest periods. It will make 6 cranking attempts before signaling crank failure. Upon connection of DC supply, the CGC-1 will start cranking by energizing the Start Relay connected to SR and the DC +VE. The crank period will last for 10 sec. If the gen-set fail to start, the CGC-1 will de-energized the Start Relay for a rest interval of 6 sec. One crank and one rest period together constitute one cranking attempt. After the 6th crank and still the gen-set fail to start, the controller will de-energized the Start Relay for the rest period of 6 sec. before energizing the lamp connected to FL and closing the contacts CO-NO to indicate failure.

The wiring diagram on this page shows the connection of the Start Relay and Lamp to the CGC-1. There are 2 LEDs to indicate the Crank (amber) and Fail (red) states. For the output to the Start Relay and Lamp a 1A fuse is provided for protection.

Technical Data

Supply Voltage	: 12VDC
Consumption	: 1 VA
No. of Attempts	: 6
Crank Period	: 10 sec
Rest Period	: 6 sec
Indications	: Amber LED - Crank Red LED - Fail
Output Contacts	: 5A 240V 50Hz AC1 CO-NO (Close upon failure)
Dimension	: 99.5 x 56 mm