



FILTER MONITOR – CSU702



CSU702 Specifications

Model CSU702 is designed to monitor the condition of the collector cell of an electrostatic air cleaner. The filter monitor provides an early warning of the impending filter change before the collector becomes too contaminated, and prevents it from becoming inoperative due to excessive dirt build-up (subject to the correct setting). It is designed to monitor both the current and voltage of the collector cell and can be programmed to ensure that the correct safety standards are maintained.

Operation

- Model CSU702 is designed to sense rising current and falling voltage
- There is an adjustable time delay to prevent relay switching due to transient fault conditions.
- The monitor is able to sense positive and negative voltages and current

Relay output

The output relay is rated at 250V, 500mA with the following fault conditions

- Relay on-no fault
- Relay off-preset current or voltage reached (see Graph 1)

There are 2 LEDs on the power supply which will indicate

- green (normal operation)
- red (fault condition). See Graph 1

Standard specification

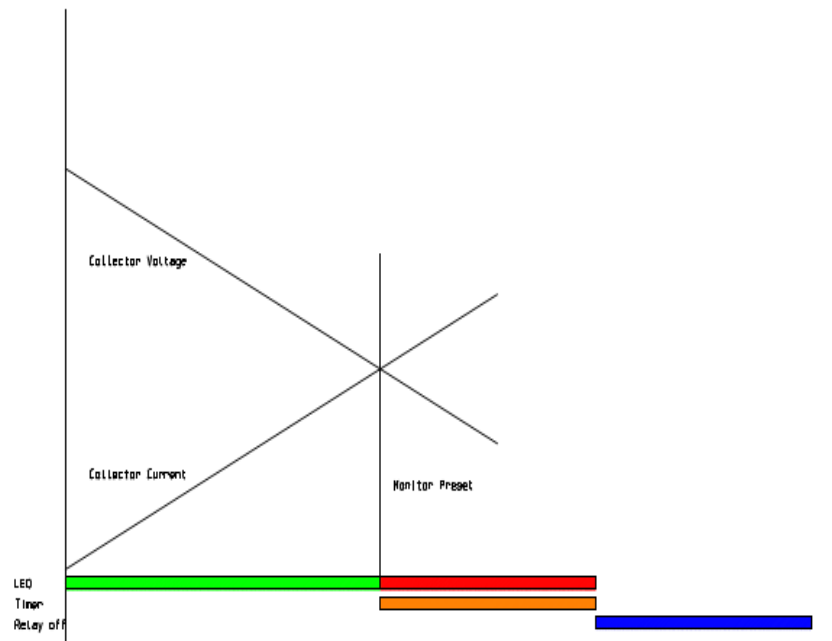
- Input Voltage 200 – 250Vac (100 – 130Vac optional)
- Measuring Current 5mA max (positive or negative)
- Measuring Voltage 12KV max (positive or negative)
- Max temperature 45° C



Warning

- High voltage connections should only be changed by qualified personnel as it can have a significant effect on filtration performance.
- Incorrect or poor HT connections may damage the power supply

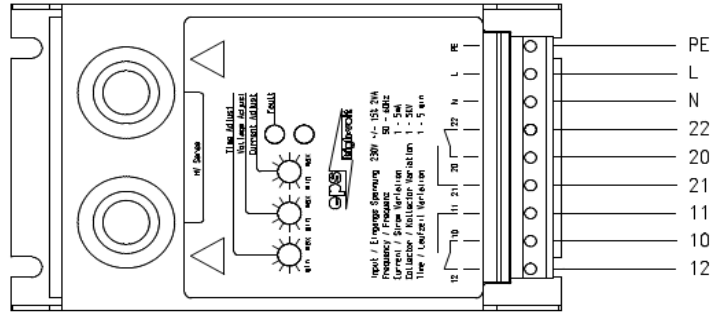
CSU702 GRAPH



Graph 1

The red LED will indicate when either the current or voltage presets are reached which will then trigger the timer. The relay will switch off after the preset time delay. If the fault condition is momentary the timer will reset.

CSU702 Electrical connection



CSU702 Dimensions

