

General

The SRL-5T thyristor module is designed to operate three single-phase shunt reactors via SVC RS485 connection.

Device Usage and Working Principle

Connect the device correctly, if the device is not connected correctly it may become damaged. Power the device. When the device is energized, if all of the thermal inputs are neutral, the LED will be constantly lit. If any of the thermal inputs are not neutral then the LED light will flash. At least one of the thermal inputs must have a neutral input to allow the device to output. The device can only output if there is a thermal input phase.

When shunt reactors warm up (above 120°C - 130°C) the thermal terminals become open circuit. When they cool, thermal terminals are closed circuit.

The LED light belonging to the output will light. For example: If the L1 phase is outputting, T1 lights up.

The STATUS LED will light up 2 seconds after the RS485 connection between the device and the relay is disconnected. The phase outputs will be disconnected after 10 seconds. If there is no RS485 connection, the status LED will flash approximately every 8 seconds.

Note 1: If the thermal characteristics of the shunt reactors are not to be used, the thermal inputs should be connected at neutral.

Note 2: Single phase shunt reactors up to 1.66kVar can be connected to each phase of the SRL-5T thyristor module.

Note 3: It is recommended to install single-phase shunt reactors at the same value for each phase.

Note 4: The device is fed through L1 phase input. For this reason, apply the supply voltage to the L1 phase input.

Test Button: When pressed for 2 seconds, the input phases are directed to the output for 10 seconds, after 10 seconds the outputs are cut off. For the test, it is necessary to have a neutral connection at the thermal inputs.

Maintenance

Switch off the device and release from connections.

Clean the trunk of device with a swab.

Don't use any conductor or chemical might damage the device.

Make sure device works after cleaning.

Warnings

Please use the device according to the manual.

Don't use the device in wet.

Include a switch and circuit breaker in the assembly.

Put the switch and circuit breaker nearby the device, operator can reach easily.

Mark the switch and circuit breaker as releasing connection for device.

Technical Specifications

Operating Voltage(Un) : 85V - 260V AC

Operating Freq. : 50/60 Hz.

Operating Power : <6VA

Operating Temp. : -20°C.....+55°C

Operating Humidity : <%95RH

Display : 5x LEDs

Connection Type : Terminal connection, Plug-in terminal

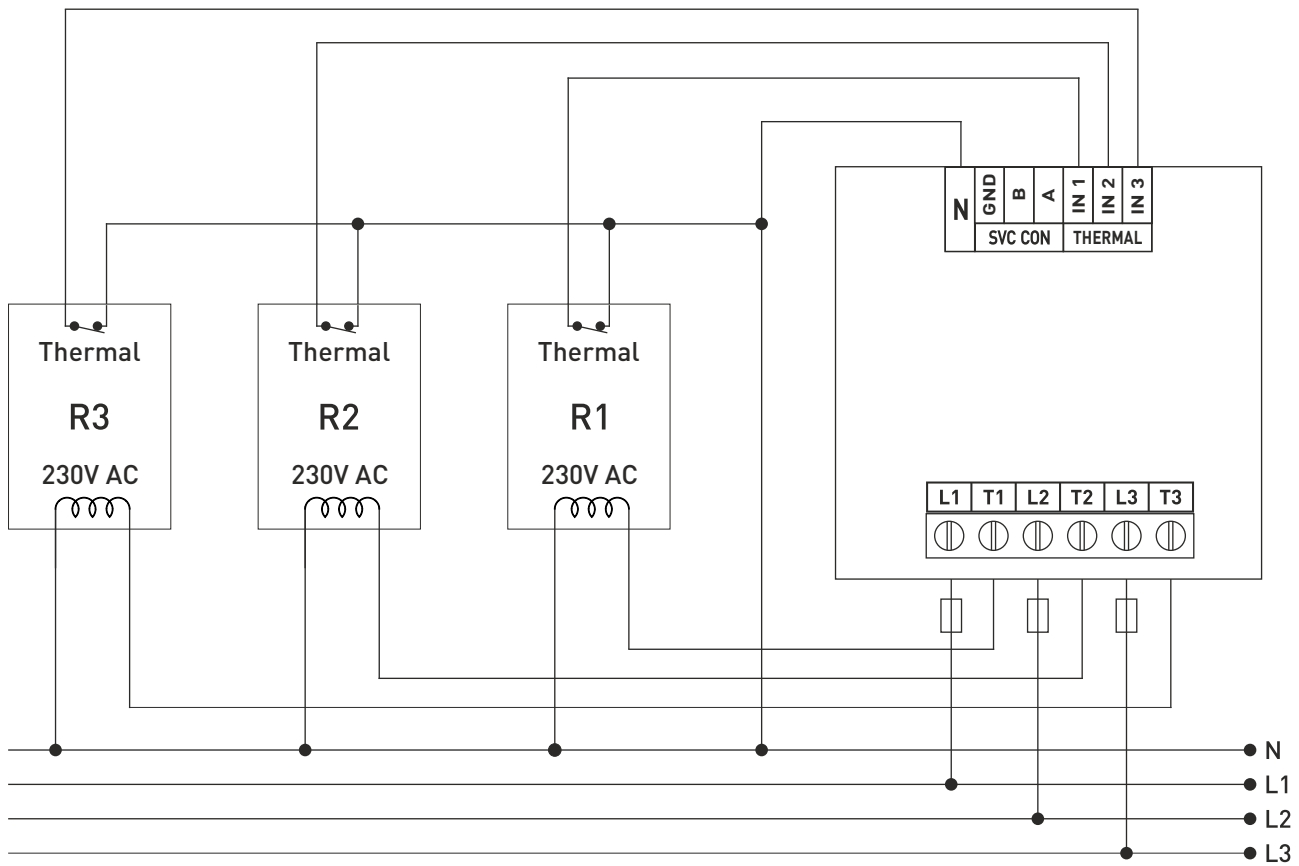
Cable Diameter : 1,5mm², 2,5mm² (Phase input & outputs)

Weight : 1050gr.

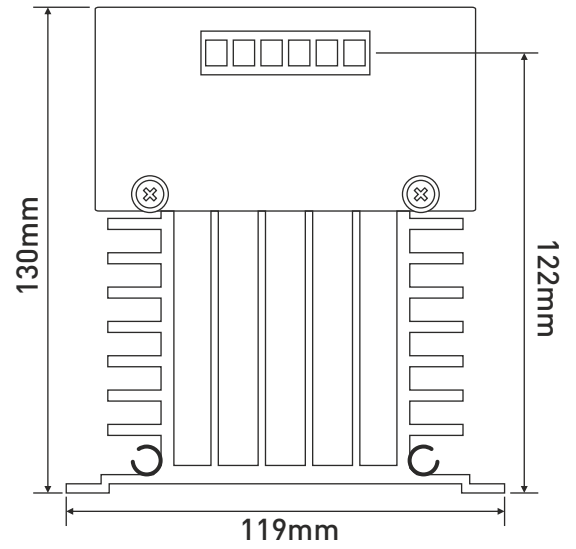
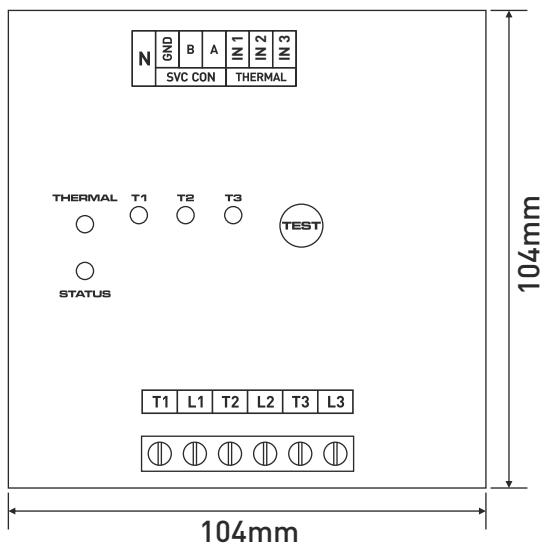
Mounting : Mounting on the vertical or terminal rail in the cabinet
(when mounting the rail mounting bracket)

Operating Altitude : <2000meters

Connection Diagram:



Dimensions:



Rail Mounting Bracket:

