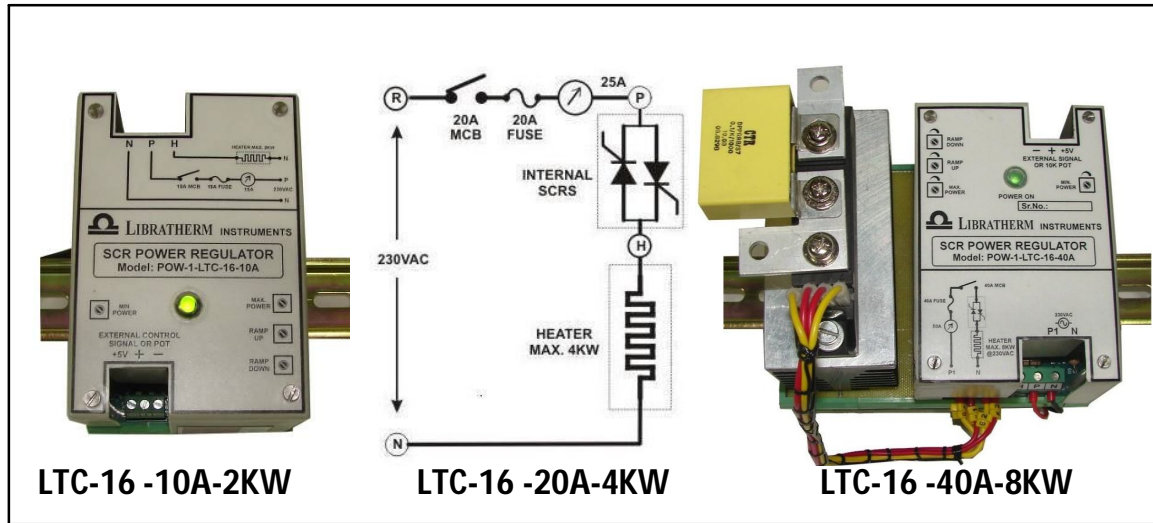


Single Phase (2 To 8KW) DIN Rail Mount SCR Based Power Regulator (Product Code 21.2)



Model Wise Description:

Sr.No	Model	Product Description	Size (mm.)
21.2.1	LTC-16-10	Single Phase power regulator for 2KW @ 230VAC load	115 x 80 x 90(10A)
21.2.2	LTC-16-20	Single Phase power regulator for 4KW @ 230VAC load	115 x 80 x 90 (20A)
21.2.3	LTC-16-40	Single Phase power regulator for 8KW @ 230VAC load	115 x 135 x 150 (40A)

Description:

Libratherm offers Single phase power regulator model LTC-16 for Heating control of resistive or inductive loads. This regulator accepts the user selectable control signal of 0-5V, 0-10V and 4-20mA or 10K potentiometer. The output voltage can be varied proportional to the input signal. The built in back to back connected SCR can control the load of 10A (2KW), 20A (4KW) and 40A (8KW) @ 230VAC. The phase angle firing control technique ensures smooth and gradual voltage control across the load. Facility is also provided to adjust the soft increase or decrease in voltage across the load using on card Ramp UP and Ramp Down variable presets. The maximum and minimum voltage output can also be adjusted. LTC-16 can be easily mounted on the standard 35 mm. DIN rail.

For three phase load in star with neutral configuration, three such modules of LTC-16 can be used. Each module can be made to operate on each of the three phase with respect to Neutral.

Technical Specifications:

Item	Single Phase back to back SCR based power regulator
Model	LTC-16-XX (XX = 10A, 20A and 40A)
Control Input (Linear)	0-5V, 0-10V, 4-20mA (DIP switch selectable)
Firing Technique	Phase angle control (Self Synchronized).
Supply Voltage	(90 – 240)VAC, 50/60Hz
Output Voltage (Single phase Load)	0 to 230VAC with respect to neutral and proportional to control input. (Maximum level of output voltage depends on the Line voltage)
Load Current	10A to 40A @ 230VAC
Ramp Up/Down and Max./Min Power	Adjustable using on card single turn presets.
Mounting	35 mm. DIN rail.
Sizes (L x W x H)	115 x 80 x 90 (10A), 115 x 80 x 90 (20A), 115 x 135 x 150 (40A)

Specifications are subject to change due to Product upgradation.

Ordering Information:

MODEL	A- INPUT CONTROL SIGNAL	B- CONFIGURATION	C- SUPPLY
LTC-16-10 LTC-16-20 LTC-16-40	A1- (0-5 VDC) fixed A2- (0-10 VDC) fixed A3- (4-20 mA) fixed A4- All but DIP switch selectable	B1- Single Phase with Neutral	C1- (90-240VAC)

Examples:

MODEL	A- INPUT CONTROL SIGNAL	B- CONFIGURATION	C- SUPPLY
LTC-16-10	A1	B1	C1
LTC-16-20	A3	B1	C1
LTC-16-40	A4	B1	C1

Example	Ordering Code	Description
1	LTC-16-10-A1-B1-C1	This is single phase AC power regulator with 0-5VDC control signal for single phase 2KW load working on 230VAC
2	LTC-16-20-A3-B1-C1	This is single phase AC power regulator with 4-20mA control signal for single phase 4KW load working on 230VAC
3	LTC-16-40-A4-B1-C1	This is single phase AC power regulator with user selectable control signal for single phase 8KW load working on 230VAC

REMARK :