

Booster B-xxx400

®

Operating Instructions

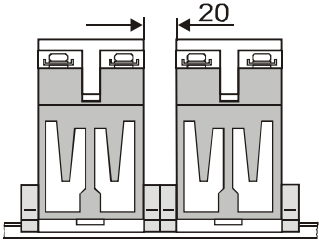


RESISTRON/CIRUS temperature controllers can process very high peak and continuous currents on the primary side as standard. External switching amplifiers (Booster types B-075400 and B-100400) can be supplied for higher currents.

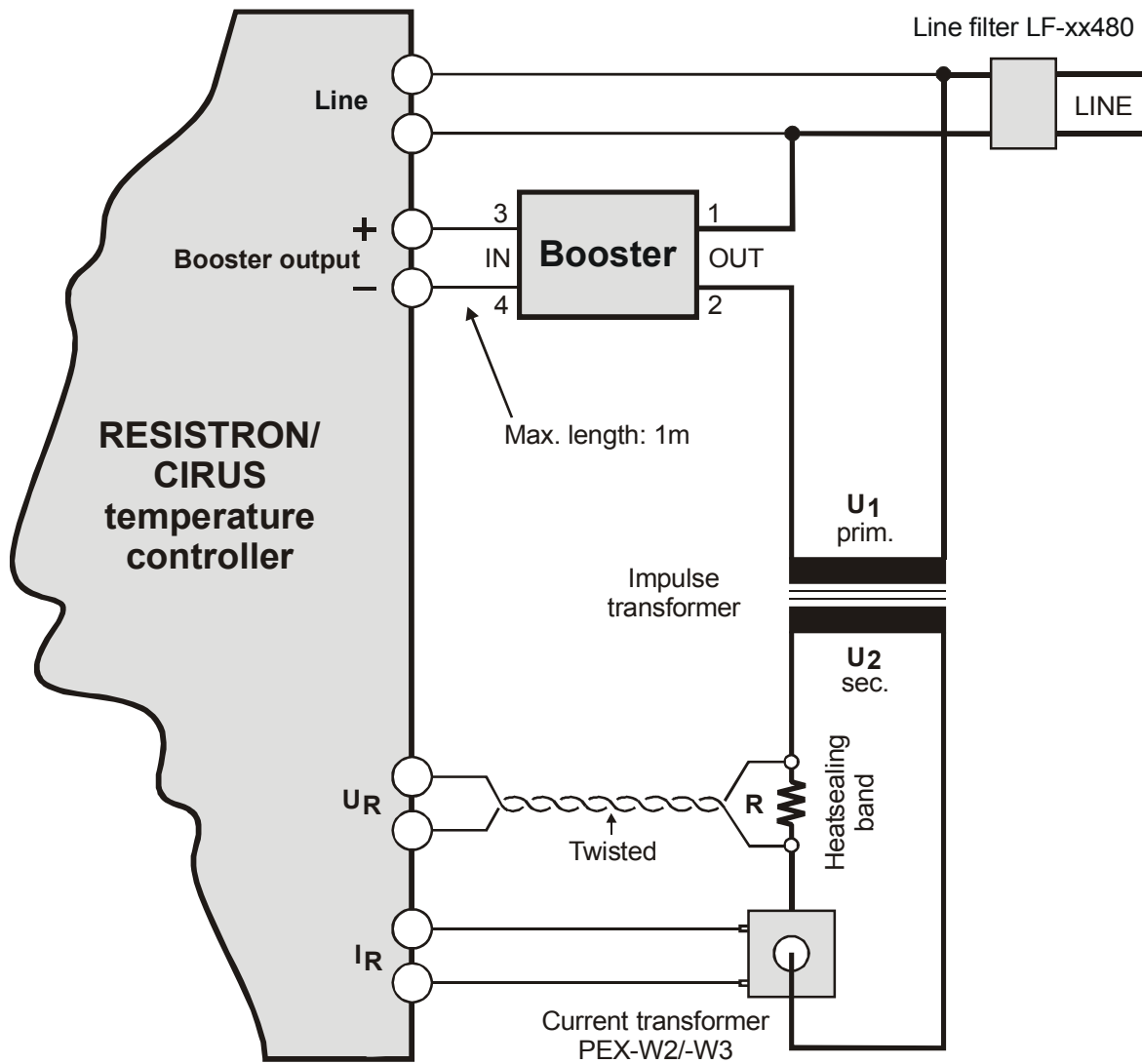
⚠ The information provided in the latest version of the controller documentation and in the ROPEX Application Report should be heeded when using a B-xxx400 Booster, in order to avoid malfunctions.

Technical data

	B-075400	B-100400
Type of construction	Switching amplifier with heat sink for installation in the electrical cabinet Snaps onto a standard top hat rail (DIN TS35 rail, 35mm) acc. to DIN EN 50022	
Size	Dimensions: 46 x 67 mm Depth: 134mm (incl. cover)	Dimensions: 72 x 75 mm Depth: 142mm (incl. cover)
Weight	Approx. 0.5kg	Approx. 1.1 kg
Load current Terminals 1+2	75A peak current 25A continuous current	100A peak current 50A continuous current
Load voltage Terminals 1+2	115VAC - 15% ... 415VAC + 10% (98...456VAC)	
Control Terminals 3+4	RES-401/-402: RES-403/-407/-408/-409: RES-406: RES-415/-420/-440/-445: LPT-640: UPT-606: UPT-640:	Not available Via modification 26 (MOD 26) As standard, refer to controller documentation As standard, refer to controller documentation As standard, refer to controller documentation As standard, refer to controller documentation As standard, refer to controller documentation
Degree of protection	IP00	

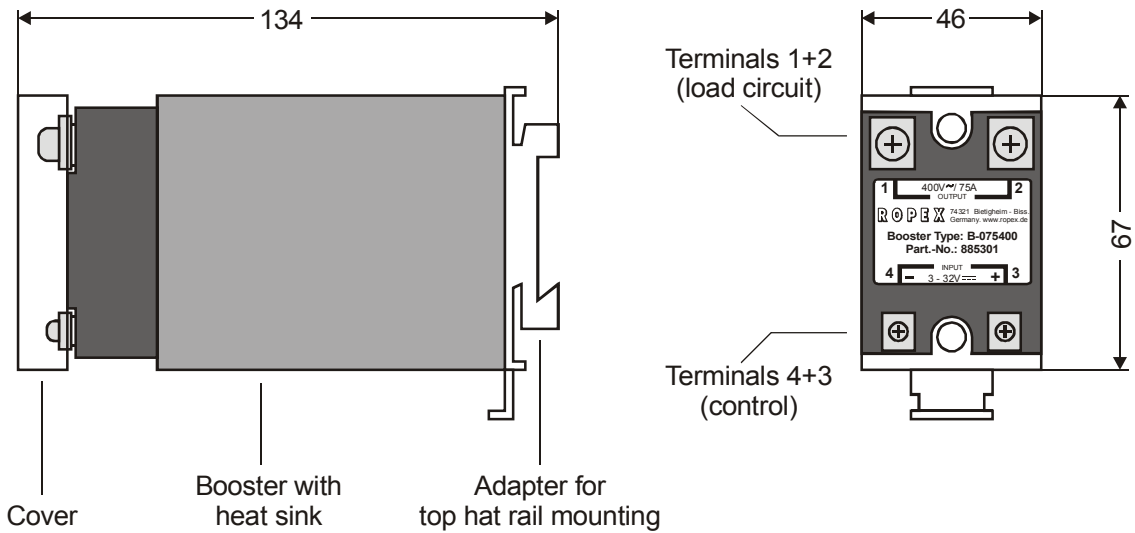
Installation	<p>If several switching amplifiers are installed on one top hat rail (DIN TS35 rail), a clearance of at least 20mm should be allowed between them.</p> <p>The moving clip required for fastening must be facing down for mounting on a horizontal top hat rail.</p>  <p>⚠ For a sufficient air cooling of the switching amplifier the mounting on a horizontal top hat rail - assembled on a upright subplate - is allowed only. Other mounting directions might cause malfunctions due to an overheating of the switching amplifier.</p>	
Ambient temperature	<p>+5...+45°C</p>	
Connecting cables Type / cross-sections	<p>Terminals 1+2 (load circuit): Screw terminals, diameter 4.1 mm Terminals 3+4 (control): Screw terminals, diameter 3.5 mm</p> <p>⚠ The connection cable between switching amplifier (terminals 3+4) and temperature controller shall not exceed the length of 1 meter. Longer cables might cause malfunctions.</p>	
Power dissipation	<p>max. 40W</p>	<p>max. 70W</p>

Wiring diagram

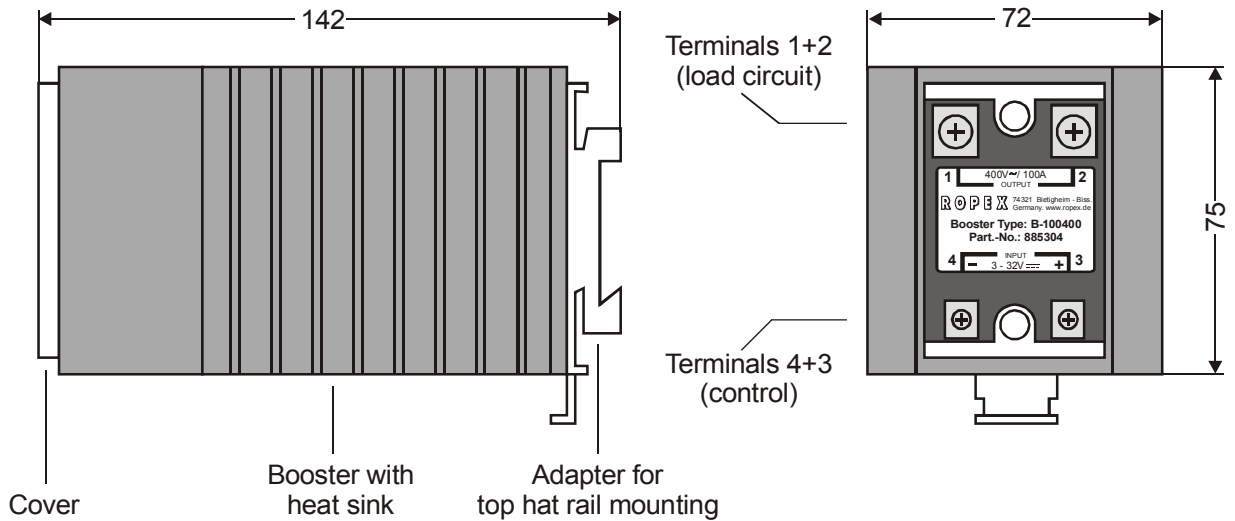


Dimensions

B-075400



B-100400



How to order



Switching amplifier (Booster)

B-075400 (75A, 400VAC): Art. No. 885301

B-100400 (100A, 400VAC): Art. No. 885304