

Eltex-Guard



Lower your electricity bill with the Eltex-Guard

ELTEX
OF SWEDEN

The Eltex-Guard

protects your main fuses and lowers your electricity bill.

Why load guard?

The basic charge on your electricity bill depends on the size of your main fuses. An ordinary house with electric heating (without load guard) normally needs 25 A. With the Eltex-Guard you can often manage with 16–20 A.

How does it work?

The Eltex-Guard measures the load continuously by means of three current sensors. It will protect your main fuses by temporary disconnection of the water heater or a part of the electric heating, when you are using other power demanding equipment such as sauna, solarium, tumble drier, washing machine, stove and dishwasher – simultaneously or in different combinations.

The Eltex-Guard automatically senses how much load will be disconnected by each contactor and take that into consideration when reconnecting the load. Electric boiler elements with 3 + 6 kW will work fine.

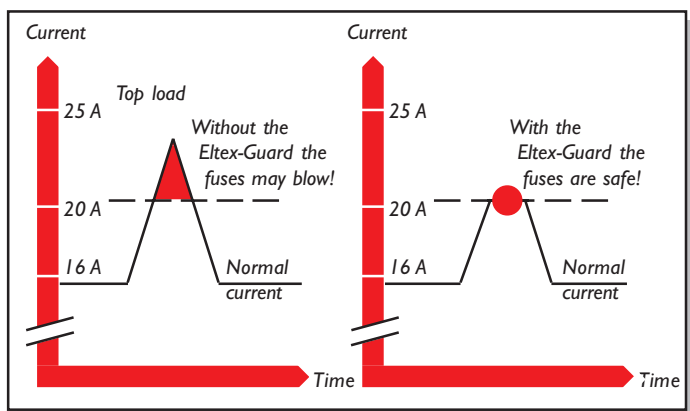
How much can you save?

Exchanging to smaller main fuses can save a lot of money thanks to lower basic net charge. You can save the cost for the Eltex-Guard in a short time.

The amount of the basic net fee depends on which electricity network you belong to.

Advantages

- Mounting on DIN rail or in standard plastic box.
- Current limit 16–70 A. The fuse sizes are marked. The current limit can be increased by standard current transformers.
- Detects automatically the load disconnected by each output and takes this into consideration when reconnecting the load. The Eltex-Guard copes with uneven loads on the outputs.
- Input for temperature control of electric boiler or additional power to a heating pump. Can be set to control two or three outputs.
- Input for three current sensors Eltex 91214.



Models

Eltex-Guard 91170

Load guard with three optocoupled triac outputs, max. 100 mA, 230 V 50 Hz, for opening contactors. For DIN rail mounting.



Eltex-Guard 91172/91173

Load guard with two resp. three contactors in plastic encapsulation. Including current sensors.

Technical data

Eltex part nr	91170	91172	91173
Outputs	3 triac, 230 V 50 Hz, max. 100 mA	2 contactors max. 3x16 A, 400 V 50 Hz	3 contactors
Inputs	3 Eltex current sensors 91214 2 control inputs for switch (thermostat)		
Current limit	16–70 A (can be increased with bigger current transformers)		
Reaction time	0,5 sec after overload		
Power supply	240 V / 50 Hz		
Power consumption	5 W/+outputs	5 W / 9 W	5 W / 12 W (normal operation / max)
Operating temp.	0–50°C		
Encapsulation/class	plastic/IP20, halogen free	halogen free plastic/IP30	
Dim. (WxHxD)	53 x 90 x 63 mm	250 x 250 x 94 mm	
Weight	400 g	1350 g	1500 g
Approval	CE marked		

Retailer:



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2009-06-12/B-91170-73 en.pmd/EH-0322-01