

Intelligent electric heater

Mod. RS-10 "Iron"

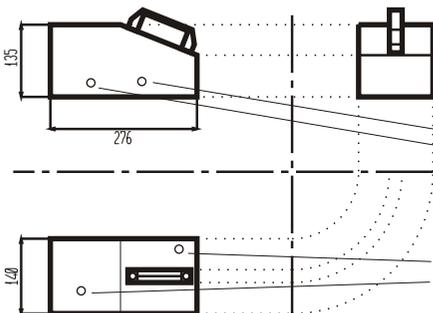
Product description

The **RS-10** is a heater especially designed for cabined electric forklifts. It features great heating capacity, little dimensions and weight, and ease of connection.

Thanks to its microprocessor, moreover, it achieves important security features: automatic shut-off after ½ hour of forklift inactivity (excludable), in order to preserve batteries; emergency power off in case of fan failure, to avoid over-heating.

Heating power is **1000 W**, and can be found in two versions: *48 volt* and *80 volt*. A power connector is present, to quickly connect and detach the device.

Please read carefully this manual before installing or using this product.



Little dimensions and ease of transportation

Fixing holes on the right side

Fixing holes on the bottom

Warning

Power the **RS-10** only using the voltage you find on the label.

Do not expose to weather, liquids, powders, too high or too low temperatures.

Do not obstruct the airflow holes.

Let always at least 20 cm around the airflows grids.

Do not touch the hot air grid.

Do not locate things upon or in front of the device when in function.

Do not interrupt power when the heater is on, but shut it off and wait for the cycle to complete: it is necessary to freshen the resistors.

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Installation

This device needs a suitable air circulation: let it have at least 20 cm of free space around the air holes (front and back grids).

The RS-10 can be used by simply laying it on a suitable surface; if you desire to fix it, use only the screw-holes as seen in the preceding drawing. Screws must be short enough to avoid to penetrate inside the device for more than **20 mm**.

Electric connection

Use the provided cable to connect the device; if a bigger length is needed, a cable with wires not less than 4 mm should be used.

The cable should not pass near the hot points, such the out grid for the hot air.

Take care of the connection to the batteries: good contact is required.

Check periodically the the power connector is well inserted and locked.

Replace fuse on the power cable only with the same type: **20A, 80V**.

Employ

*When the heater is switched on, and after some minutes after shutdown, **the out grid and the top of the devices are hot**: do not touch these parts and do not lay objects on them.*

When the RS-10 is switched off, a single touch on the button will turn on the resistor and the fan; two beeps are emitted to indicate the heater is on, and the light indicator lights up.

The same way, when the RS-10 is operating, a single touch will turn it off; a long beep will be heard and the indicator light will go away. The fan, instead, **will not stop immediately** but after some seconds, in order to refresh the resistor.

If the forklift is left unused for about ½ hour, the RS-10 shuts off automatically to prevent to discharge batteries; it will not shut off if the vehicle is moving. In the rare cases where this feature is undesirable, for example to warm up the cabine before entering it, it is possible to exclude this behaviour: simply turn on the heater by depressing the button for at least 10 seconds. As soon the button is pressed, the heater turns on normally; by keeping the button pushed further three beeps will be heard, confirming that the ½ hour timeout will be excluded.

In case of fan failure the RS-10 activates a special Emergency Status, which inhibits all functions and emits for 20 seconds a repeated beep. This is necessary for safety reasons and to save the resistor.

Technical data

Power supply:	48 or 80 volt (two versions)
Power consumption:	1000 W
Air flow:	3 mc/min
<i>Fuse protection</i>	<i>Power connector</i>
<i>On-Off pushbutton</i>	<i>Light indicator</i>
<i>Safety thermostate</i>	<i>Rubber feet</i>
<i>Upper handle</i>	<i>Automatic shut-off</i>
<i>Useful screwholes</i>	
<i>Metallic case epossidic black painted</i>	
<i>Hearing balls mounted fan - <u>long duration</u></i>	



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