

RESERVE POWER MODULE
 with battery charger 1.3÷7.2Ah

ECH-06

WARRANTY. The F&F products are covered by a warranty of the 24 months from the date of purchase. Effective only with proof of purchase. Contact your dealer or directly with us. More information how to make a complaint can be found on the website:
www.fif.com.pl/reklamacja



Do not dispose of this device in the trash along with other waste! According to the Law on Waste, electro coming from households free of charge and can give any amount to up to that end point of collection, as well as to store the occasion of the purchase of new equipment (in accordance with the principle of old-for-new, regardless of brand). Electro thrown in the trash or abandoned in nature, pose a threat to the environment and human health.

Purpose

The ECH-06 module along with an external gel battery with nominal voltage of 12V is backup power system for receivers with a supply voltage in range of 9÷30V DC.

Functioning

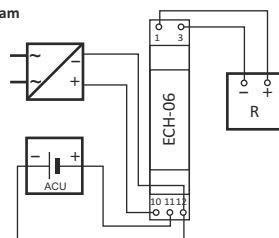
The module performs the continuous surveillance of the battery and recharges it automatically when the presence of the main supply voltage. In the case of main power failure or a decline in its value below the battery voltage of the receiver is powered from the battery. With the battery voltage of approx. 10.5V, the module automatically cuts off the power supply (protection against damaging the battery).

Assembly

1. Turn OFF the power.
2. Put on the relay on the rail. Leave the spacing of approximately 10 mm on each side of the module for free cooling.
3. Main power (DC) connect to contacts 10(+) and 12(-).
4. Battery connect to contacts 11(+) and 12(-).
5. The receiver which is supply connect to contacts 1(+) and 3(-).

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Wiring diagram

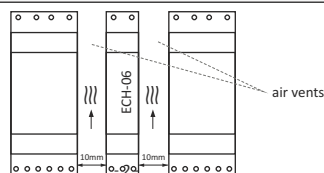


Specifications

power supply / charging U_{in}	18÷30V DC
out voltage U_{out} for	$U_{in}-0.5V$ / $U_{acu}-0.5V$
out current load U_{out}	<3A
supported battery capacity	1.3÷7.2Ah
max battery voltage	13.8V DC
current charging	<0.35 A
power supply cut-off threshold	<10.5V DC
power consumption	<1W
terminal	2.5mm ² screw terminals
dimensions	1 module (18mm)
mounting	on TH-35 rail
protection level	IP20



During the battery charge cycle the module reaches a high temperature of up to approximately 50°C. Leave the air vents of not less than 10 mm on both sides of the module.



D151203