

BATTERY SEPARATOR



SAMLEX EUROPE[®] B.V.

LIR Battery Separator (Large Input voltage Range)

Model No.

LIR 250

OWNER'S MANUAL

Please read this manual before operating your separator

OWNERS MANUAL LIR250 Universal Autodetect 12/24V (Large input voltage range)

Features:

- Easy installation
- Automatic Voltage detection 12V/24V
- Overvoltage protected
- Low use of current
- Small dimensions

The LIR250 is a relay with a very large input voltage range; from 9 up to 36VDC. The LIR has a very low power consumption and can switch very large currents.

Connections:

A1 Relay contact 1

A2 Relay contact 2

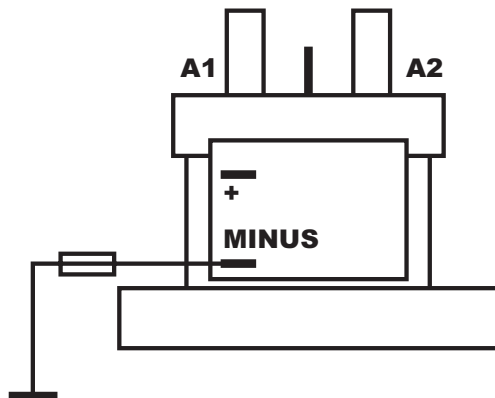
+ Positive voltage connection

- Negative voltage connection – **always use a fuse (3A)**

ATTENTION:

The LIR250 should only be installed by qualified personnel who are aware of the requirements of working with battery voltage installations. Use suitable cables. Use heavy duty copper cable connectors and use wires

of sufficient diameter and quality so no excess heat is produced. When using bad material or insufficient diameter, the LIR250 can be damaged. Short-circuit of the plus and minus of the battery can damage your system severely! Make sure the connections are secure! Always use fuses for every connection!



TECHNICAL SPECIFICATIONS:

Power supply	: Autodetect 12/24 V
Connection batteries	: M8
Other connections	: 6.3 mm faston
Cable suggestion	: Minimum 50 mm ² copperwire
Max. current	: 500 A
Peak current	: 2000 A / 250 msec
Input voltage	: 9 up to 36 VDC
Switch-ON delay	: 100 msec
Overvoltage switch-OFF at	: >36 VDC
Contacts	: Gastight
Power consumption relay open	: 1.8 mA @ 12 V / 2.0 mA @ 24 V
Power consumption relay closed	: 160 mA @ 12 V / 100 mA @ 24 V
Switch-ON power consumption	: 3 A max 100 msec @ 12 V / 1.5 A max 100 msec @ 24 V
Weight	: 417 gr
Dimensions	: (L) 80 mm x (B) 70 mm x (H) 72 mm



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