

**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. Besides that 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.

**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:**
**10-bits precise  $\mu$ Processor**

Power supply	Autodetect 12/24V	
Connection batteries	M8	
other connections	6,3mm faston	
Cable suggestion	Minimum 50mm <sup>2</sup> copperwire	
Switch current	250A	
Peak current	2000A / 250msec	
Input voltage	9 up to 36VDC	
Switch-ON delay	100 msec	
Overvoltage switch-OFF at	>36VDC	
Contacts	Gastight	
Power consumption relay open	1,8mA @ 12V	2,0mA @ 24V
Power consumption relay closed	160mA @ 12V	100mA @ 24V
Switch-ON power consumption	3A max 100msec @ 12V	1,5A max 100msec @ 24V
Weight	417 gr	
Dimensions	(L) 80 mm x (B) 70 mm x (H) 72 mm	

Intellitec MV Ltd  
 Unit 9 Woodway Court  
 Thursby Road  
 Bromborough  
 Wirral CH62 3PR

Tel: 0151 482 8970

[www.intellitecmv.com](http://www.intellitecmv.com)

Email: [sales@intellitecmv.com](mailto:sales@intellitecmv.com)