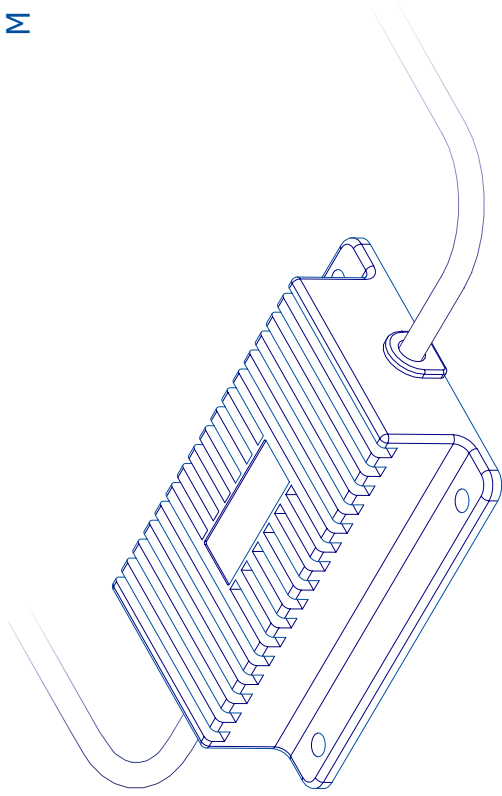


LED Light Link

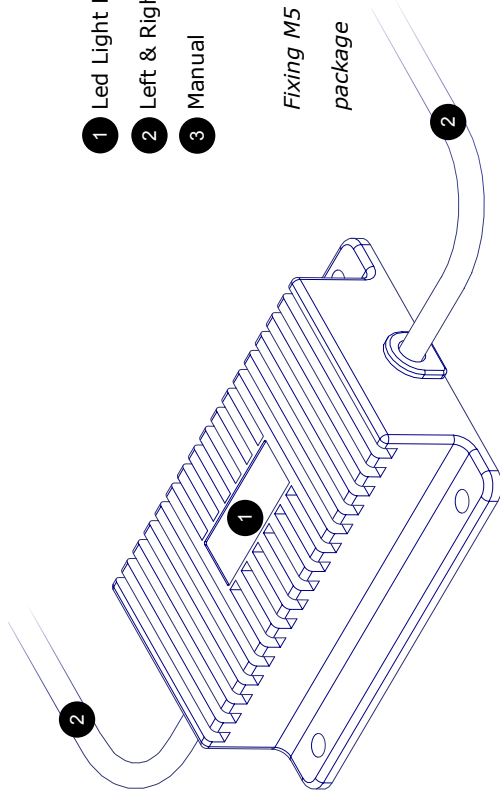
The universal indicator control unit for trailer conversion.



Note

[illegible]

Kit Composition



- 1 Led Light Link, Aluminium enclosure
- 2 Left & Right sides cables
- 3 Manual

Fixing M5 screws, nuts, washers are not included in the package

Universal indicator control unit for trailer conversion. If the LED's direction indicators are working the Led Light Link activates a resistor.

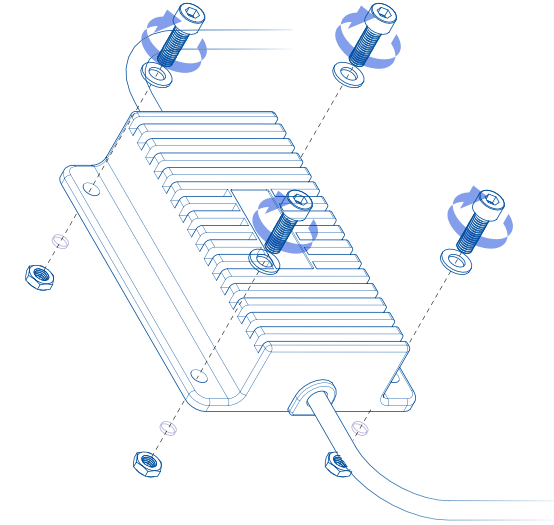
In case of LED failure the resistor is switched off therefore triggering the failure display built into the ECE compatible flasher unit.

Features:

- Universal failure monitoring of commercial LED direction indicators
- Failure monitoring on both left and right direction indicators
- Powerless trailer detection according to ISO 13207-1 par. 7.2 (cold check)
- Aluminium enclosure
- ADR approved connection cables (1,5 meters each side | 3x0.75 mm²)
- IP67 housing, sealed electronics
- Output regulated voltage

4

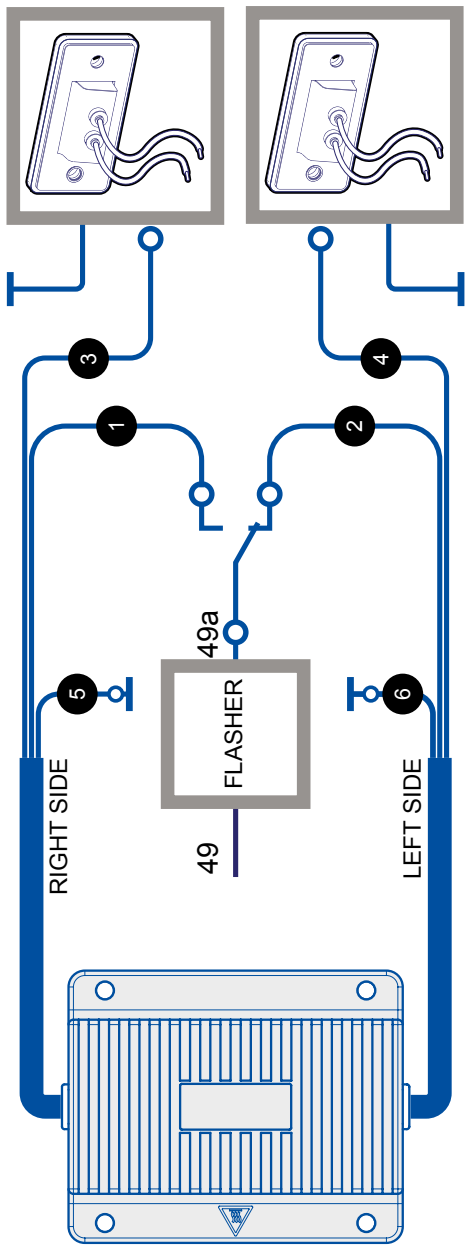
Mounting instructions



- 
- Ensure that the circuit is isolated. Disconnect the battery vehicle and remove the protection circuit fuse.
 - The installation and testing of this electrical device should be undertaken only by qualified electricians.
 - Horizontal mounting position is recommended to increase the air circulation (vertical ribs)
 - The heatsink shall be mounted on a flat metal surface to increase the heating dissipation.
 - The device must be installed in a water protected area.
 - Provide a safe connection against vibrations using 4 M5 screw or socket head cap, proper dimensioned plain washers fixed with nuts.
 - Connectors and connections boxes watertight.
 - Route the connection cables over safe areas in order to guarantee the protection against external influences (EMC radiations).

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Connection



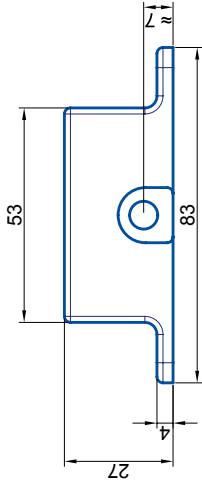
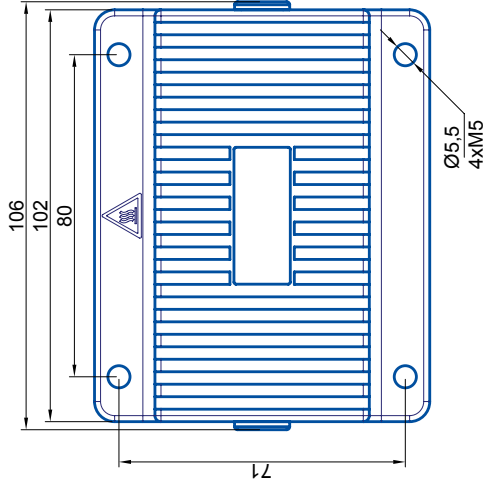
6

Wire Number	Wire Color	Description
1	WHITE	Input RIGHT
2	WHITE	Input LEFT
3	RED	Output RIGHT
4	RED	Output LEFT
5	BLACK	Ground RIGHT
6	BLACK	Ground LEFT
49	FLASHER UNIT Input	
49a	FLASHER UNIT Output	

 **The instructions on this installation manual must be respected.**
Do not mix LEFT and RIGHT I/O.

7

Dimensions



Technical Specifications

		LLL.01.12V			LLL.01.24V		
	Unit	Min. Value	Value	Max. Value	Min. Value	Value	Max. Value
Rated Voltage	V DC		12			24	
Operating Voltage Range	V DC	9		15	18		32
LED Operating Power Range	W	1		10	1		10
Current Failure Threshold	mA	< 80 @ Rated Voltage			< 40 @ Rated Voltage		
Operating Temperature Range	°C	- 30		50	- 30		50
Storage Temperature	°C	- 40		80	- 40		80
Reverse Polarity Protection	V DC		- 28			- 28	
Short Circuit Protection			Yes			Yes	
Output Regulated Voltage	V DC		12 ± 0,2			24 ± 0,2	