



## BRIEF INFORMATION

### LED Light Control Unit

- LED light control unit for connection of LED lights to conventional light control units
- Basic Control Unit: for legally required direction indicator failure control
- Premium Control Unit: for useful and convenient monitoring of direction indicators and the stop lights.
- Maximum compatibility thanks to simulation of the bulb characteristic

## PRODUCT FEATURES

HELLA offers two different types of LED light control units designed to monitor lighting function.

- **Basic Version:** This only monitors the direction indicator
- **Premium Version:** This monitors the direction indicators and stop lights.

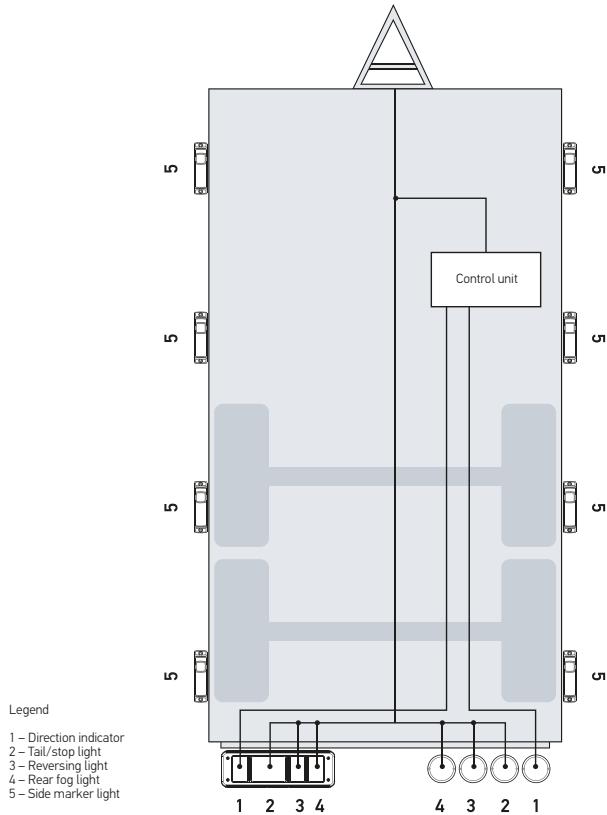
Only one control unit is required for the left and the right side.

- The Deutsch connector, itself integrated in the housing, enables easy integration in the vehicle architecture
- Active thermal management, including overheating protection, for a long service life
- Completely watertight and dust-proof for maximum functioning safety
- Electromagnetic compatibility (EMC) for trouble-free use of, for example, radio

# BASIC CONTROL UNIT

## System representation: Basic

Control unit is **responsible only** for monitoring the direction indicators.



Connection diagram for Basic control unit

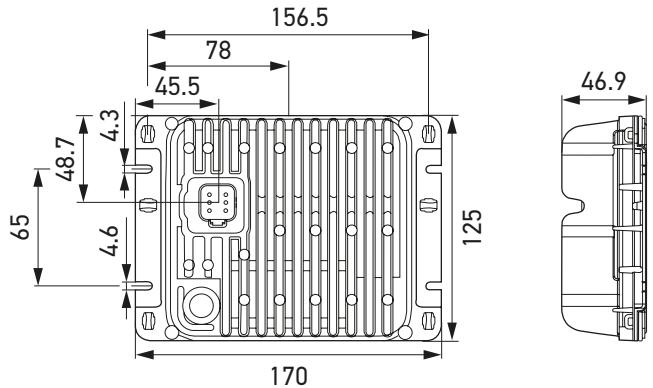
1	Input	Direction indicator, right
2	Input	Ground
3	Input	Direction indicator, left
4	Output	Direction indicator, left
5	Output	Ground
6	Output	Direction indicator, right

## TECHNICAL DETAILS

### Technical data

Operating voltage	12 V	24 V
Current consumption (min.)	1.4 A	0.78 A
Current consumption (max.)	2 A	0.9 A

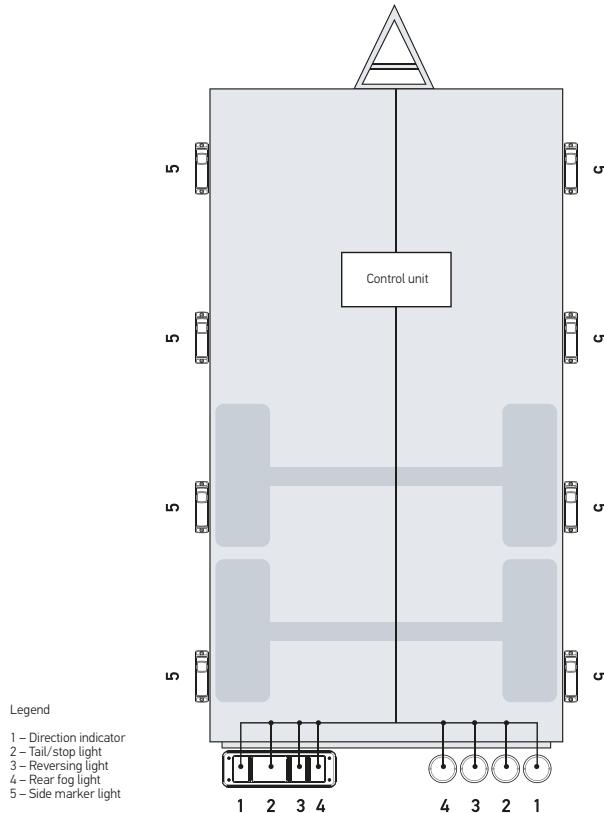
### Dimensional sketch



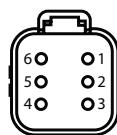
# PREMIUM CONTROL UNIT\*

## System representation: Premium

Control unit is responsible for the direction indicators and stop lights.

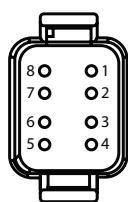


Connection diagram for Premium control unit



6-pin

1	Input	Direction indicator, right
2	Input	Ground
3	Input	Direction indicator, left
4	Output	Direction indicator, left
5	Output	Ground
6	Output	Direction indicator, right



8-pin "IN" and "OUT"

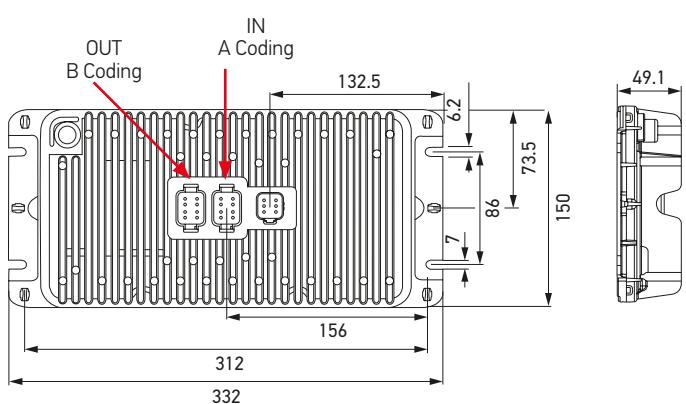
1	Stop light, left
2	Tail light, right
3	Tail light, left
4	Stop light, right
5	Reversing light
6	Rear fog light
7	Ground
8	Free

## TECHNICAL DETAILS

### Technical data

Operating voltage	12 V	24 V
Current consumption (min.)	1.4 A	0.78 A
Current consumption (max.)	2 A	0.9 A

### Dimensional sketch



\* With 1-channel operation only the left pin is used IN/OUT, the right one has no function. See page 4 for part numbers.

# RANGE OVERVIEW

Description	Part number	PU*
<b>Basic Control Unit**</b>		
12 V, with 6-pin socket housing	<b>227488001</b>	1
24 V, with 6-pin socket housing	<b>227488101</b>	1
<b>Premium Control Unit</b>		
12 V, with 8-pin socket housing (1 stop light channel)	<b>227489001</b>	1
12 V, with 8-pin socket housing (2 stop light channels)	<b>227489011</b>	1
24 V, with 8-pin socket housing (1 stop light channel)	<b>227489101</b>	1
<b>Accessories</b>		
Wire harness with EasyConn-connectors, for Basic Control Unit	<b>340128001</b>	1
Wire harness with EasyConn-connectors, for Premium Control Unit	<b>340128011</b>	1
Wire harness with 6.3 mm-tabs, for Basic Control Unit	<b>340128021</b>	1
<b>Sets (Control Unit + Harness)**</b>		
24 V-Basic Control Unit + wire harness with EasyConn-connectors	<b>009552081</b>	1
24 V-Basic Control Unit + wire harness with 6.3 mm-tabs	<b>009552101</b>	1

\* Packaging unit

\*\* Constant vehicle electric system voltage to the rear lamps must be guaranteed.

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