



# Lights Sender 2

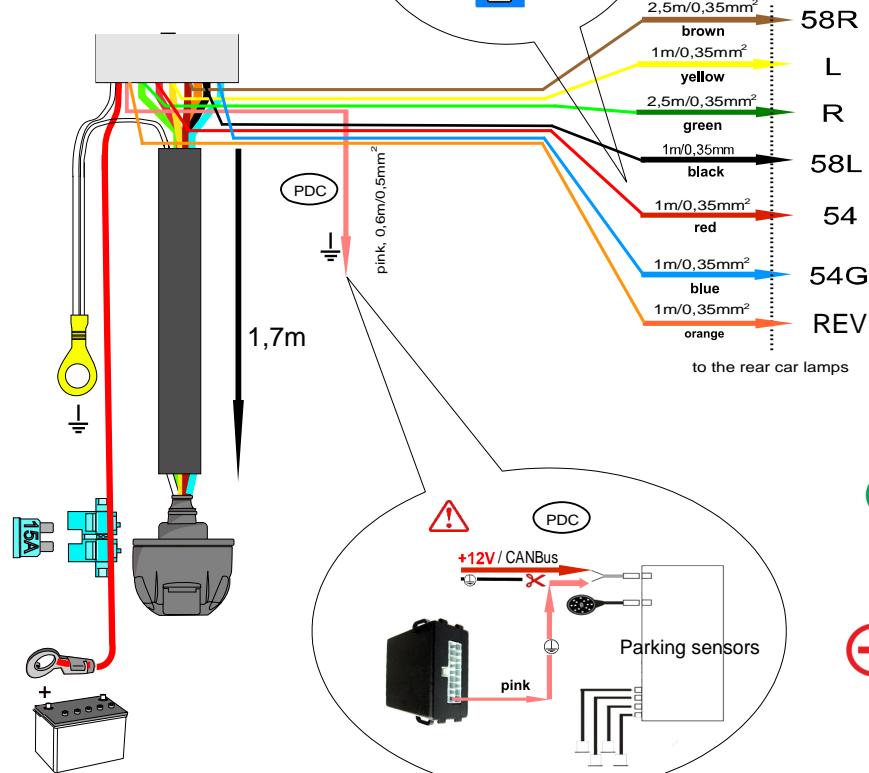
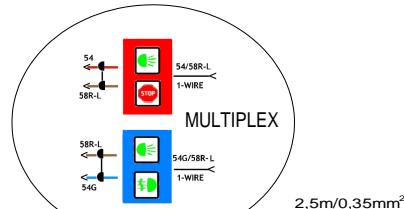
## Universal towbar module for wiring 13pin

Electronic module „Lights Sender , type: 2”, is designed for electrical installation 12V, for connect to 13 pin socket installation, for hook installation in cars, which have, computers lighting control, designed to:

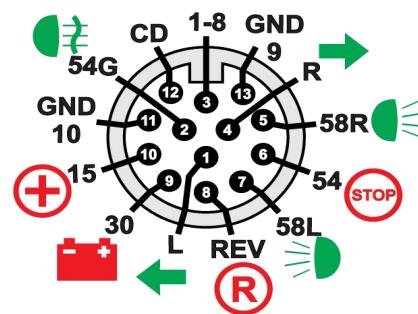
- power and diagnostics bulbs in lamps,
- for control LEDs lamps,
- PWM (monofilaments bulbs, the implementation of the function: STOP / POSITION, POSITION / FOG).

The module is characterized, low current for inputs (1mA), which is not detection by the computer vehicle. The module, off loads the lighting of the vehicle and protect the computer from damage (which can occur, as a result of direct connect circuit of trailer lighting).

The module performs the function of handling parking sensors. When the trailer is disconnected, the module gives ground (max 2A – pink wire), she must power the system parking sensors, and by connecting the trailer, this ground for sensors parking is disconnected.



control inputs - rear car lights



Output cables (to 13-pin trailer socket)

Functions	Symbol	Power	D	F	GB	HU	IT	PL
1 (L)	Left Turn Signal	Min. 5 W. Max 21W.	gelb (yellow)	jaune	yellow	sárga	giallo	żółty
2 (54g)	Brake Light	Min. 5 W. Max. 42 W.	blau (blue)	bleu	blue	kék	bílú	niebieski
3 (31)	Ground (circuit 1-78)		weiß (white)	blanc	white	fehér	bianca	bialy
4 (R)	Right Turn Signal	Min. 5 W. Max 42 W.	grün (green)	vert	green	zöld	verde	zielony
5 (58-R)	High Beam Headlight	Min. 5 W. Max. 20 W.	braun (brown)	marron	brown	barna	marrone	brazowy
6 (54)	Stop Light	Min. 5 W. Max. 42 W.	rot (red)	rouge	red	piros	rosso	czerwony
7 (58-L)	Low Beam Headlight	Min. 5 W. Max. 20 W.	schwarz (black)	noir	black	fekete	nero	czarny
8 (REV)	Reverse Light	Min. 5 W. Max. 42 W.	orange	orange	orange	naranccsárga	arancia	pomarańczowy
9 Constant plus	Constant Power Supply	Max 20A	rot/schwarz (red/black)	rouge/noir	red/black	piros/fekete	rosso/nero	czervono/czarny
10 Charging line	Charging Line	Max 15A	--	--	--	--	--	--
11 Ground (circuit 10)	Ground	--	--	--	--	--	--	--
12 Trailer identification	Identification	--	--	--	--	--	--	--
13 Ground (circuit 9)	Ground	--	--	--	--	--	--	--
PDC	Park distance control	GROUND max 2A	rosa (pink)	rose	pink	rózsaszín	rosa	różowy

