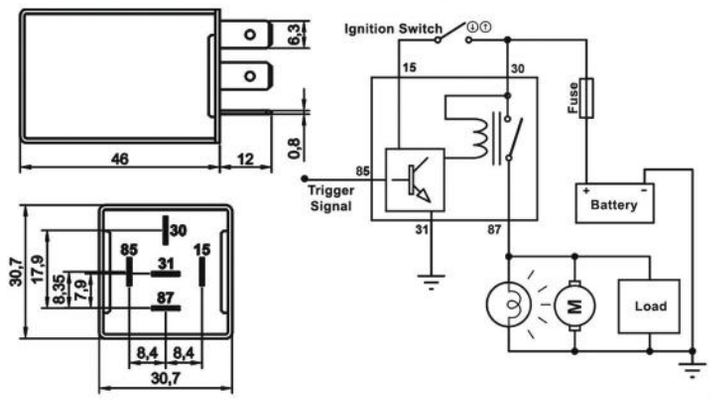
Remote Control Relay

Product Code	***201.020.001 - 12V (+) Trigger***	***201.020.002 - 24V (+) Trigger***
	201.020.003 - 12V (-) Trigger	***201.020.004 - 24V (-) Trigger***

Terminal Configuration & Dimensions & Diagram



Accessories

207.150.251	Socket – 5 Terminals, 5 Cables - Black (Standard cable length 20 cm & cable cross section 1,50 mm²)*
207.100.003	Socket – 5 Terminals – Black & Blue/ Pack of 2
207.100.001	Socket – 5 Terminals – Black
207.100.002	Socket – 5 Terminals – Blue

** Indicates cross section of cables carrying higher current. Please refer to* ***Socket Product Group*** *pages for different alternatives.*

Technical Data

	201.020.001 / 201.020.003	***201.020.002 / 201.020.004***
Nominal Voltage	12V	24V
Operating Voltage	8 - 16Vdc	18,0 - 30Vdc
Rated Contact Current	10A	10A
Load Power	140W	280W
Trigger Time*	2 seconds	2 seconds
Output Period*	0,5 / 2 / 15 seconds	0,5 / 2 / 15 seconds
Dielectric Strength	>1000Vdc	>1000Vdc
Vibration	20-200Hz,5g:>10µs	20-200Hz,5g:>10µs
Mechanical Shock	>10g, 11ms>10µs	>10g, 11ms>10µs
IP Rating	IP54 DIN IEC60529	IP54 DIN IEC60529
Terminals	6,3 x 0,8mm	6,3 x 0,8mm
Terminals / Plating	Fe/E-Sn	Fe/E-Sn
Bracket / Plating	Fe/E-Zn	Fe/E-Zn
Ambient Temperature	- 40 / + 80 °C	- 40 / + 80 °C

* May be changed upon request

Notes
All measurements are in milimeters.

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(Cont'd)

Product Code	201.020.001	- 12V (+) Trigger	201.020.002	- 24V (+) Trigger
	201.020.003	- 12V (-) Trigger	201.020.004	- 24V (-) Trigger

Product Details

One of the problems faced by those who want to add additional functionality / features to their existing vehicle is where and how to install the button or switch to activate this function. The button / switch itself, the mounting shape and the respective input / output cables are generally not compatible with the design of the vehicle. In order to eliminate this problem, the ELO Remote Control Relay is designed to be integrated into the vehicle's current system. Since it is universal, it can be used on all remote control modules.

Working Principle: Trigger signal is taken from relevant line of the vehicle. If the relay detects this signal twice in a short period of time, it gives an output and the added function is activated. Common areas of use include opening / unlocking the trunk, activating the horn, and turning on the headlight temporarily, etc. Example - Unlocking / Opening the trunk with the remote control: The trigger signal is received from the central door locking system (line that unlocks the doors). If the button for the remote control is pressed 2 times in 2 seconds, the relay is set to give an output for 0,5 seconds. This output activates the selenoid of the trunk and the trunk lid opens. Selenoid or ELO Door Lock Motor must be added to the vehicles whose trunks do not open by electrical means. ELO Remote Control Relay similarly may be used to turn on the headlights, activate the horn, start hazard flasher all by using the remote control.

IMPORTANT: In all applications developed using this relay, the relevant action must be designed, implemented and tested to ensure that the driver and passengers of the vehicle do not get harmed and/or harm the vehicle, any persons inside or outside the vehicle as well as vehicle's surroundings. Commissioning of the relay should not be completed until all possible scenarios are tested to unsure that the application is safe to use for the driver, the passengers, anyone around the vehicle and vehicle's surroundings.

The duration of the trigger and the output of the relay may be adjusted by ELO according to customers' requests. Similarly, (-) or (+) trigger and output are available.