

## Before You Start



### WARNING

#### DO NOT DISASSEMBLE OR ALTER THE MODULE

Doing so may result in an accident, fire, or electric shock.

#### DO NOT BLOCK THE AIRBAG

Do not mount product or any added equipment where it can obstruct the operation of any safety devices such as the airbag.

#### DISTRACTION WARNING

Do not let product or any added equipment distract you while you are driving.

#### BEFORE WIRING, DISCONNECT THE CABLE FROM THE NEGATIVE BATTERY TERMINAL

Before starting any installation work, you must wait 90 seconds after turning the ignition switch to the LOCK position and disconnecting the negative (-) terminal from the battery. The supplemental restraint system (airbag) is equipped with a backup power source. If installation work is started less than 90 seconds after disconnection of the negative (-) battery terminal, the SRS may deploy. When the negative (-) terminal cable is disconnected from the battery, the clock and audio system's memory will be erased. Before starting installation work make a record of the clock and audio system's memory settings. When installation is complete, reset the clock and audio systems to their previous settings. Check that power tilt, power telescopic steering column, front power seats, power mirrors, and power shoulder belt anchorage are equipped with a memory function. When installation is complete, it is necessary to readjust the features to their previous settings. Never use a backup power supply (such as another battery) during installation work to avoid losing these memory settings.



### CAUTION

#### DO NOT SPLICE INTO ELECTRICAL CABLES

Never cut away cable insulation to supply power to other equipment. Doing so will exceed the current carrying capacity of the wire and result in fire or electric shock.

#### DO NOT ALLOW CABLES TO BECOME ENTANGLED IN SURROUNDING OBJECTS

Cables or wiring that obstruct or get caught on places such as the steering wheel, shift lever, brake pedals, etc. can be extremely hazardous.

#### DO NOT INSTALL IN LOCATIONS WITH HIGH MOISTURE OR DUST

Moisture or dust may result in product failure.

#### HAVE THE WIRING AND INSTALLATION DONE BY EXPERTS

The wiring and installation of this product requires special technical skills and experience.

#### USE ONLY SPECIFIED ACCESSORY PARTS

Use of other than specified parts may damage product internally.

#### FOLLOW THE OPERATIONAL AND INSTALLATION MANUALS

YOU SHOULD READ AND FAMILIARIZE YOURSELF THOROUGHLY WITH THE FOLLOWING INFORMATION PRIOR TO INSTALLING AND USING THIS UNIT. IN ADDITION, YOU MUST CAREFULLY READ AND FOLLOW THE INSTALLATION SCHEMATICS/INSTRUCTIONS FOR THE PRODUCT AND THE VEHICLE IN WHICH IT IS BEING INSTALLED. FAILURE TO FOLLOW INSTALLATION INSTRUCTIONS MAY DAMAGE THE PRODUCT AND THE VEHICLE, WILL VOID THE PRODUCT WARRANTY, AND MAY VOID THE VEHICLE WARRANTY.

#### LIABILITY DISCLAIMER

This application guide is based on the testing results at the time of publishing. VAIS Technology can not be held liable for damages or injuries caused by, or resulting from use of this guide. Strictly adhere to all car manufacturer warnings that pertain to the disassembly, maintenance, or servicing of the vehicle and any of its associated part systems. VAIS Technology can not be responsible for discrepancies, or inconsistencies that may occur due to automobile manufacturing changes.

#### TROUBLESHOOTING

Should this product fail to operate properly, please contact your Dealer or our Customer Service Department at [sales@vaistech.com](mailto:sales@vaistech.com)

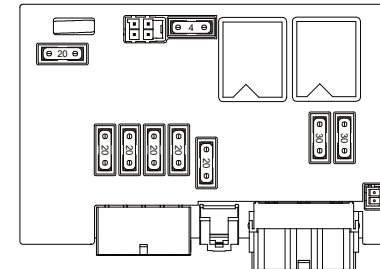
Some visual assets were provided by Vecteezy.com and Grabcad.com



# VAIS TECHNOLOGY

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

## Installation Guide



## Automotive Relay Module RLM-001

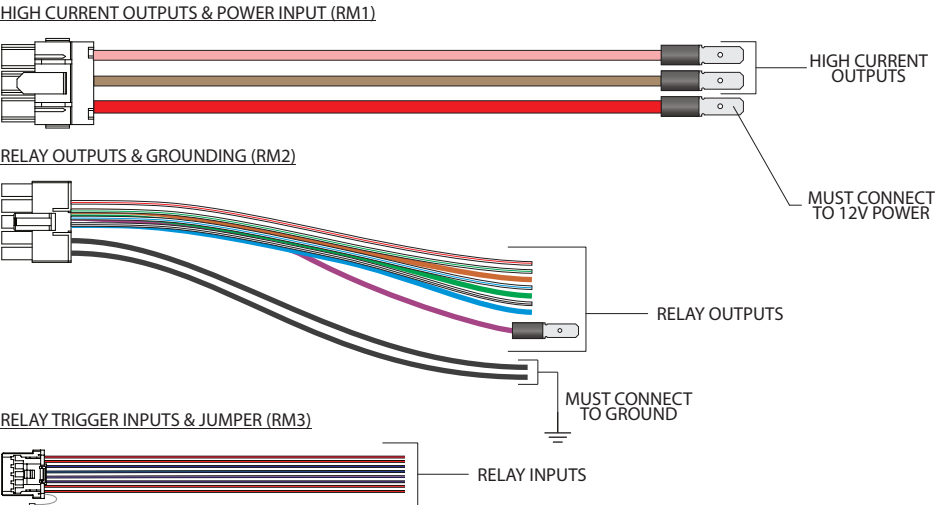


 **WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Copyright (C) 2003-2022 VAIS Technology Published February 1, 2022

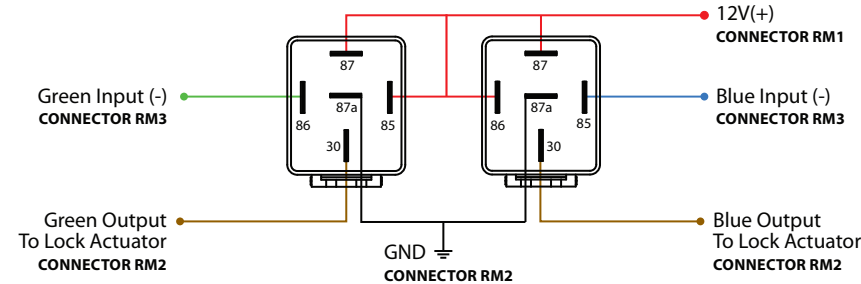
RLM-001 Relay Module - Connections

HARNESSES INCLUDED IN KIT



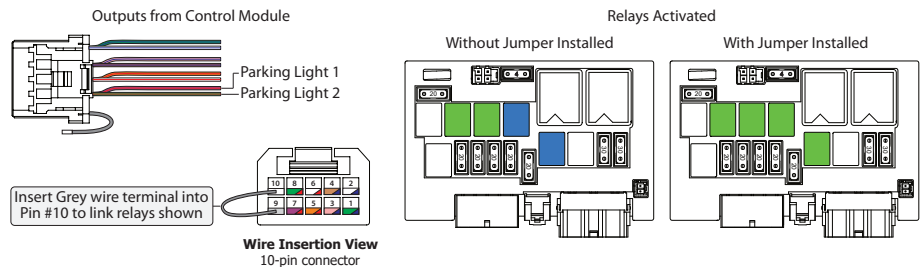
RELAYS WITH ALTERNATING POLARITY (AP)

Relays 4+5 are pre-wired for Alternating Polarity. To use this feature make sure all ground inputs are connected. **POWER & GROUND ARE CONNECTED TO THESE RELAYS INTERNALLY.**



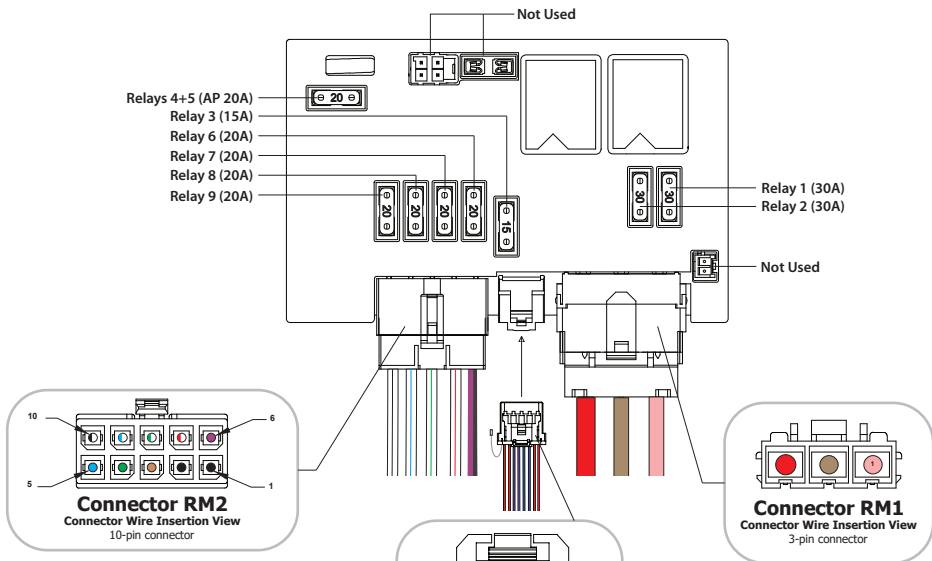
PARKING LIGHT RELAY ACTIVATION JUMPER

The Relay Module harness comes with a Grey jumper wire inserted into Pin #9. When the Jumper is also inserted into Pin #10, both pairs of relays will be activated via the same input.



RELAY MODULE WIRING & FUSES

The outputs will need to be directly wired to what you are activating. **SEE RELAY USAGE AND AMPERAGE TABLE BELOW FOR DETAILS**



Connector RM2 - Outputs			
PIN	Wire Color	Relay Output	Current
1	Black	Ground	Ground
2	Black	Ground	Ground
3	Brown	Transistor*	5A (-)
4	Green	Relay 4 (AP)	20A (+)
5	Blue	Relay 5 (AP)	20A (+)
6	Purple	Relay 3	15A (+)
7	White/Red	Relay 6	20A (+)
8	White/Green	Relay 7	20A (+)
9	White/Blue	Relay 8	20A (+)
10	White/Black	Relay 9	20A (+)

\*Use RM2 Pin #3 - Transistor as a Negative Output Rated up to 5A

Connector RM3 - Inputs		
PIN	Wire Color	Trigger
1	Red	Relay 1
2	Orange	Relay 2
3	Purple	Relay 3
4	Green	Relay 4 (AP)
5	Blue	Relay 5 (AP)
6	Brown	Transistor (-)
7	White	Relays 6+7
8	Grey	Relays 8+9
9	White/Brown	Relay Jumper
10	Open	Jumper Slot

Connector RM1 - Outputs			
PIN	Wire Color	Relay Output	Current
1	Pink	Relay 1	30A (+)
2	Brown	Relay 2	30A (+)
3	Red	12V Constant Source	