12 VOLT AUTOMOTIVE CONTROL SYSTEM

Thank you for purchasing the 2KOOL automotive 12 Volt control system. This is the most advanced programmable control system available today. This system can control interior and exterior neon, strobe, and LED lights, EL logos, and customized functions. With an optional relay and receiver applications such as trunk lids, shaved door handles and linear actuators can be controlled. Consult with a professional installer when current requirements for your application exceed 10 Amps.

THE 2KOOL SYSTEM

The 2KOOL System (patent pending) has two components: a keypad that is used to send the activation command, and a receiver that responds to the commands by turning the application on and off.

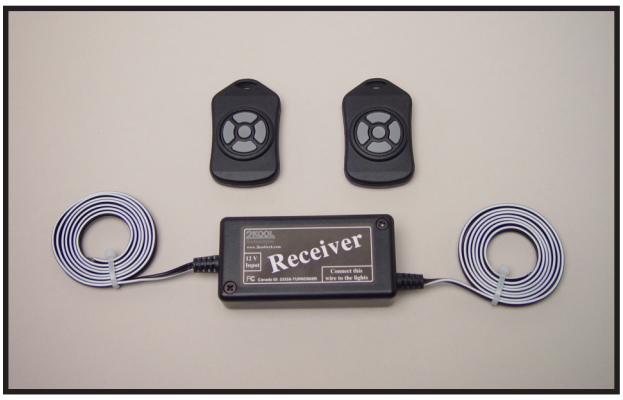


Figure 1

SPECIFICATIONS

KEYPAD

5 control buttons-4 for on/off and 1 for all off.
Self contained replaceable battery.
FCC approved (no license is necessary).

RECEIVER

User programmable for the desired keypad button location.
Power input and output is +12 Volts and ground.
The wire with the white stripe is + 12 Volts.
Note: Applications over 1 Amp require a relay.

KEYPAD

The keypad has five buttons. Four can be used to send individual on/off commands, and one sends an off command to all trained receivers.

RECEIVER

The receiver, when trained, is used to turn your applications on and off. After training, the receiver will only respond to pressing the button you select. Each receiver has a different code so you don't have to worry about interfering with another 2KOOL control system.

CAUTION

Please follow manufacturer's installation recommendations when adding accessory items, particularly auxiliary lighting. Lights installed with a 2Kool controller may be intended for off-road or show use only. Check with your light manufacturer and local authorities before street use.

Installation of any merchandise shall be the sole and absolute responsibility of the purchaser. See our web site at www.2kooltech.com or call 1-877-UR2KOOL (1-877-872-5665) for complete details.

CONNECTION

Select the physical location of your application such as neon lights. Install the lights in accordance with the manufacturer recommendations. Connect the wire from the lights to the receiver wire. This is the wire on the right hand side (see figure 2). The wire with the white stripe is the (+) wire the other wire is the ground wire.
For power connect the wire coming from the left hand side of the receiver to a 12 Volt source and ground. The wire with the white stripe is +12 Volts, the other wire is connected to ground.
Note: When mounting receiver unit make sure you have access to the two phillips head screws on the cover plate. You will need to remove the cover to train the receiver.

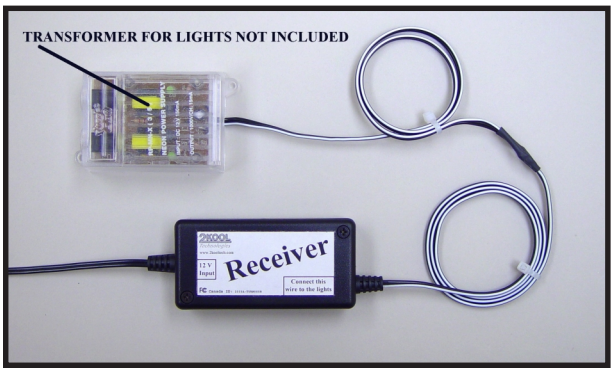


Figure 2

Receiver Training

Perform the following steps to train the receiver after it has been wired to the accessory and to a 12 Volt power source.

1. Remove the two phillips head screws and remove the cover from the receiver housing.
2. Locate the small jumper block shown in Figure 3 below. Gently pull up on the jumper block that is pressed onto one of the pins. Lift it off of the single pin, reposition it over both pins and gently press it down. It is now in the training mode.
3. Press the keypad button you wish to use several times. (You will see the light or accessory turn on and off) and replace the jumper so that it only covers one pin.
4. Replace the cover on the receiver. The receiver will now respond to the button you pressed.

Note: When the jumper covers both pins (training mode) the receiver will respond to any button you press. The receiver only remembers the last button you press as its assigned button.

NOTE The range of the keypad can be affected by where you put the receiver in the car. If you are having trouble activating the receiver with the keypad, move the receiver to another location. See the FAQ section of the 2Kool website for more installation information.

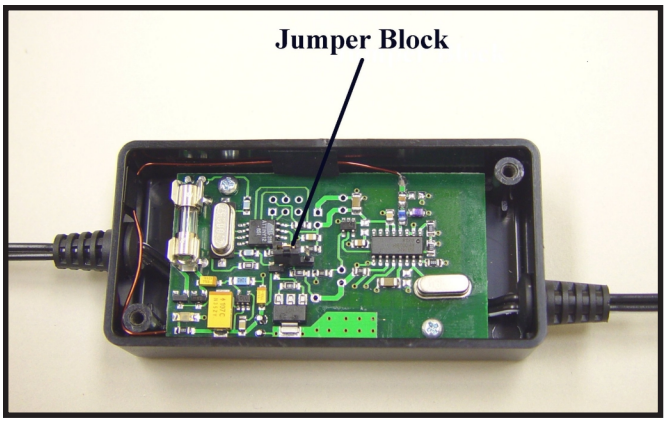
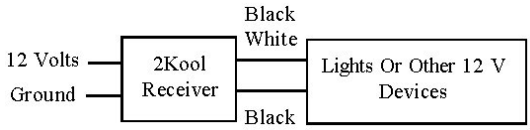
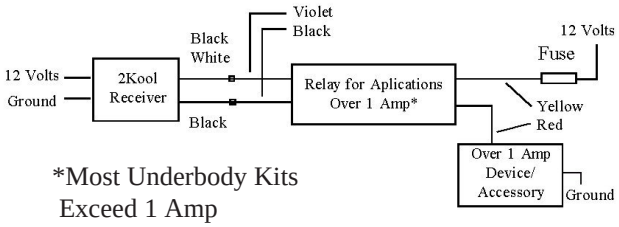


Figure 3

Typical Lights/Accessories Connection



Typical Underbody Light Connection (Over 1 Amp Application)



*Most Underbody Kits Exceed 1 Amp

PATENT PENDING

Compliance Statement (Part 15.19)
This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada.
Operation is subject to the following two conditions:
1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Warning (Part 15.21)

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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