AutoLöc™

USER GUIDE AND INSTALLATION MANUAL
KEYLESS ENTRY SYSTEM

AUTKL800BT *8 channel system*

REMOTE OPERATION

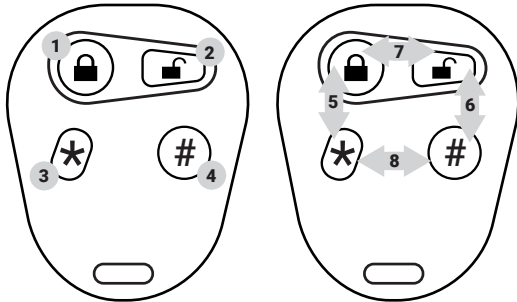| Button	Function	Condition
1	Enable starter/ignition kill and lock door LOCK	Starter/ignition kill enabled
2	Disable starter/ignition kill and unlock door UNLOCK	Starter/ignition kill disabled
3	3rd channel output	Anytime
4	4th channel output	Anytime
1+3	5th channel output	Anytime
2+4	6th channel output	Anytime
1+2	7th channel output	Anytime
3+4	8th channel output	Anytime

Remote Transmitters *
*If your remotes look different than above, you may have an older kit (pre-2023).
Download instructions at InstructionsNow.com*

CH1 REMOTE DOOR LOCKING
a. Press button 1. The parking lights will flash once. The starter/ignition kill circuit will be enabled and the lock output will pulse for 1 second.
b. LED will begin flashing slowly.

CH2 REMOTE DOOR UNLOCKING
a. Press button 2. The parking lights will flash twice. The starter/ignition kill circuit will be disabled and the unlock output will pulse for 1 second.
b. LED will be off.

CH3 OUTPUT
Press button 3 to output channel 3 for 1 second.

CH4 OUTPUT
Press button 4 to output channel 4 for 1 second.

CH5 OUTPUT
Press button 1+3 to output channel 5 for 1 second.

CH6 OUTPUT
Press button 2+4 to output channel 6 for 1 second.

CH7 OUTPUT
Press button 1+2 to output channel 7 for 1 second.

CH8 OUTPUT
Press button 3+4 to output channel 8 for 1 second.

STOP *THESE REMOTES ARE NOT PROGRAMMED!*

See page 2 for programming instructions

USER GUIDE AND INSTALLATION MANUAL
KEYLESS ENTRY SYSTEM

AutoLöc™

THESE REMOTES ARE NOT PROGRAMMED!
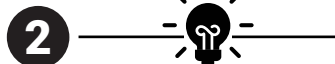### *CHOOSE APPROPRIATE CODE LEARNING INSTRUCTIONS BELOW*

KEYLESS ENTRY
CODE LEARNING

See instructions below to program your remotes to the unit

1 — **Connect Power and Ground 12V**
To code learn the remotes make certain you have the red wire connected to battery power and the black wire connected to a known good body/chassis ground.

2 — **Connect Light Circuit**
The orange wire is a ground output that energizes the park light relay to flash the park lights during normal operation and when entering code learning mode. If you are not using the park light feature it will be necessary to use a test light wired in series from the orange wire to a 12 volt power supply.

3 — **Enter Programming Mode**
To enter programing mode you will need to push and hold the valet button & then turn on ignition so the yellow wire has 12V. The park lights (or test light) will flash once to indicate programing mode is achieved.

4 — **Start Programming**
You will have 10 seconds to push any button on the remote. The light will flash again to signify the remote has been learned.

Note: To program additional remotes turn off the igintion switch and repeat steps 3 & 4. Up to 5 remotes can be programmed.

OR

SHAVED DOOR
CODE LEARNING

See instructions below to program your remotes to the unit for shaved doors

1 — **Remove Pin 86**
Remove yellow wire from PIN 86 of the safety relay.

2 — **Connect Power and Ground 12V**
To code learn the remotes make certain you have the red wire connected to battery power and the black wire connected to a known good body/chassis ground.

3 — **Connect Light Circuit**
The orange wire is a ground output that energizes the park light relay to flash the park lights during normal operation and when entering code learning mode. If you are not using the park light feature it will be necessary to use a test light wired in series from the orange wire to a 12 volt power supply.

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To enter programing mode you will need to push and hold the valet button & then turn on ignition so the yellow wire has 12V. The park lights (or test light) will flash once to indicate programing mode is achieved.

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You will have 10 seconds to push any button on the remote. The light will flash again to signify the remote has been learned.

Note: To program additional remotes turn off the igintion switch and repeat steps 3 & 4. Up to 5 remotes can be programmed.
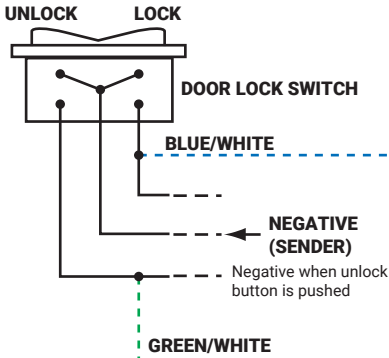
6 — **Connect Pin 86**
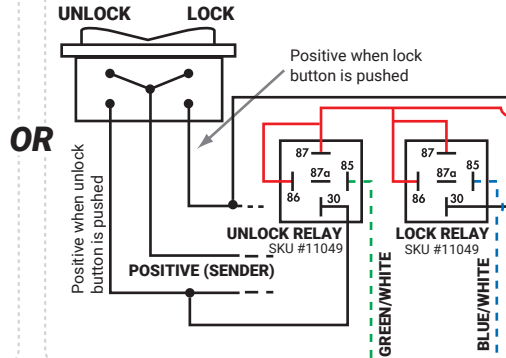Connect the yellow wire back to PIN 86 of the safety relay.

KEYLESS ENTRY WIRING DIAGRAM

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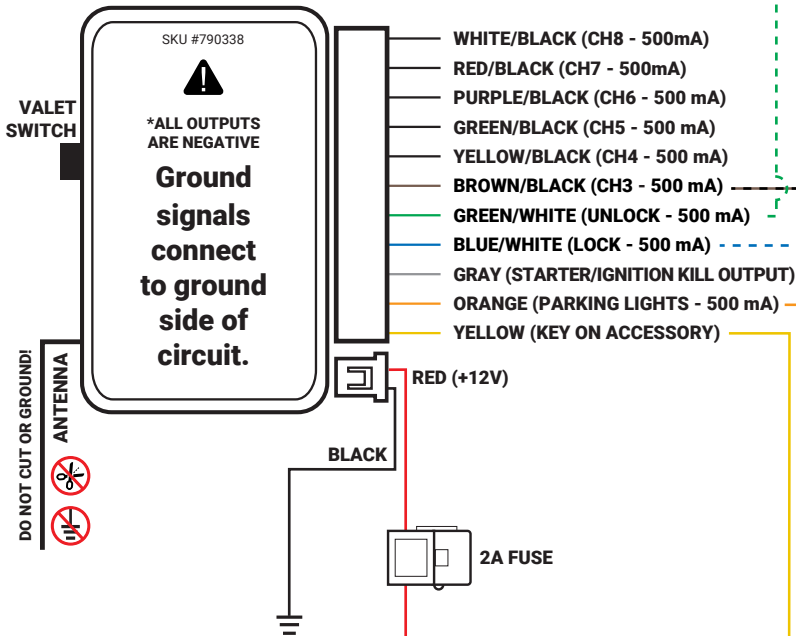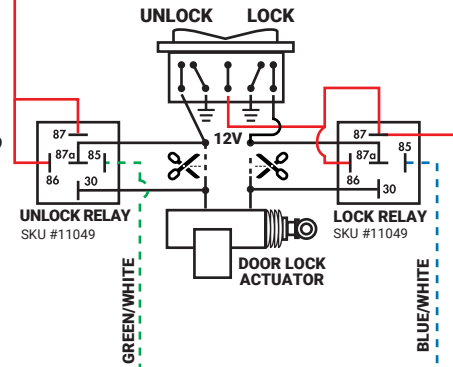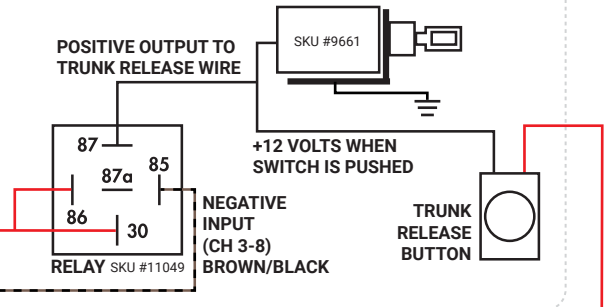## DOOR LOCK WIRING see next page for more details ➡

OPTION 1 - NEGATIVE SYSTEM

UNLOCK LOCK

DOOR LOCK SWITCH

BLUE/WHITE

NEGATIVE (SENDER)

Negative when unlock button is pushed

GREEN/WHITE

OR

OPTION 2 - POSITIVE SYSTEM

UNLOCK LOCK

Positive when lock button is pushed

Positive when unlock button is pushed

87 87a 85
86 30
UNLOCK RELAY SKU #11049

87 87a 85
86 30
LOCK RELAY SKU #11049

POSITIVE (SENDER)

Negative when unlock button is pushed

GREEN/WHITE

BLUE/WHITE

OR

OPTION 3 - REVERSE POLARITY SYSTEM

UNLOCK LOCK

12V

87 87a 85
86 30
UNLOCK RELAY SKU #11049

87 87a 85
86 30
LOCK RELAY SKU #11049

DOOR LOCK ACTUATOR

GREEN/WHITE

BLUE/WHITE

VALET SWITCH

SKU #790338

⚠ *ALL OUTPUTS ARE NEGATIVE

Ground signals connect to ground side of circuit.

DO NOT CUT OR GROUND!

ANTENNA

WHITE/BLACK (CH8 - 500mA)
RED/BLACK (CH7 - 500mA)
PURPLE/BLACK (CH6 - 500 mA)
GREEN/BLACK (CH5 - 500 mA)
YELLOW/BLACK (CH4 - 500 mA)
BROWN/BLACK (CH3 - 500 mA)
GREEN/WHITE (UNLOCK - 500 mA)
BLUE/WHITE (LOCK - 500 mA)
GRAY (STARTER/IGNITION KILL OUTPUT)
ORANGE (PARKING LIGHTS - 500 mA)
YELLOW (KEY ON ACCESSORY)

RED (+12V)

BLACK

2A FUSE

12V

⚠ IMPORTANT!

We recommend using Keep It Clean brand relays:

Using any other relays can cause damage and void warranty.

40 Amps or Lower
KICRA1000 SKU #11048

80 Amps or Lower
KICRA8000 SKU #11049*
*Recommended for maxium performance & power

BEST!

TRUNK/SHAVED DOOR HANDLE TRIGGER

SKU #9661

POSITIVE OUTPUT TO TRUNK RELEASE WIRE

87 87a 85
86 30
RELAY SKU #11049

NEGATIVE INPUT (CH 3-8) BROWN/BLACK

+12 VOLTS WHEN SWITCH IS PUSHED

TRUNK RELEASE BUTTON

PARKING LIGHTS

NOTE: If parking lights are negative trigger, then connect 30 chassis to ground.

HEADLIGHT

12 VOLTS OR GROUND WHEN LIGHTS ARE ON

HEADLIGHT SWITCH

87 87a 85
86 30
RELAY SKU #11048

ORANGE

STARTER/IGNTION KILL

STARTER SOLENOID

CUT ---- CUT CRANK

ACC

IGNITION SWITCH

+12 VOLTS WHEN CAR IS ON, NO VOLTAGE WHEN OFF

GRAY

87 87a 85
86 30
RELAY SKU #11048
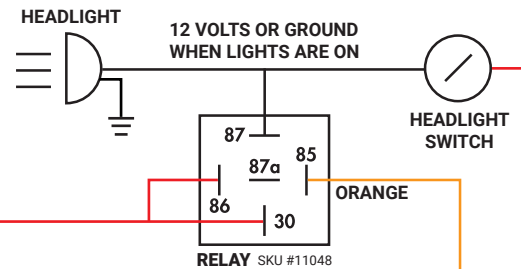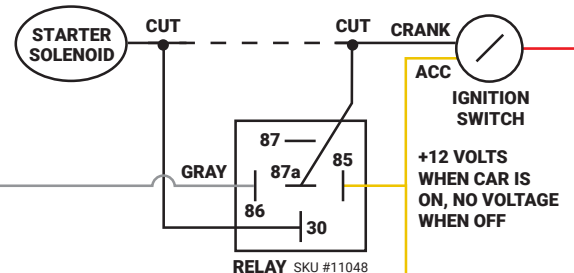
DOOR LOCK WIRING

OPTION 1 - NEGATIVE SYSTEM OR **OPTION 2** - POSITIVE SYSTEM OR **OPTION 3** - REVERSE POLARITY SYSTEM
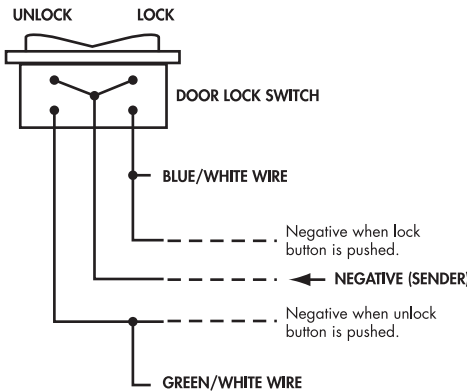

Negative and Positive triggers are the two main types of door locking systems. To determine the type of system you have, simply connect the test light wire to a ground (−), then probe all wires from your door lock switch to determine the Lock and Unlock wire.

1. If you come to a wire that LOCKS your doors when probed (−), then you have found the lock wire. Connect the BLUE/WHITE wire from the keyless entry unit to this wire.
2. If you come to a wire that UNLOCKS your doors when probed (−), then you have found the unlock wire. Connect the GREEN/WHITE wire from the keyless entry unit to this wire.
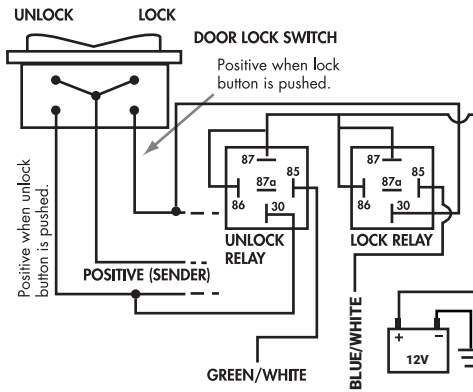
If you can not find a wire that will lock or unlock your doors with a negative trigger then you have a positive trigger system. Connect the test light wire to 12 volts (+). Now probe all the wires to determine the Lock and Unlock wire.

1. If you come to a wire that LOCKS your doors when probed (+), then you have found the lock wire. Using the wire diagram connect this wire to terminal 30 of the lock relay.
2. If you come to a wire that UNLOCKS your doors when probed (+), then you have found the unlock wire. Using the wire diagram connect this wire to terminal 30 of the unlock relay.
3. Connect the GREEN/WHITE wire from the keyless entry unit to terminal 85 of the unlock relay.
4. Connect the BLUE/WHITE wire from the keyless entry unit to terminal 85 of the lock relay.
5. Connect terminal 86 and 87 of both relays to a constant 12 volt power source (battery).
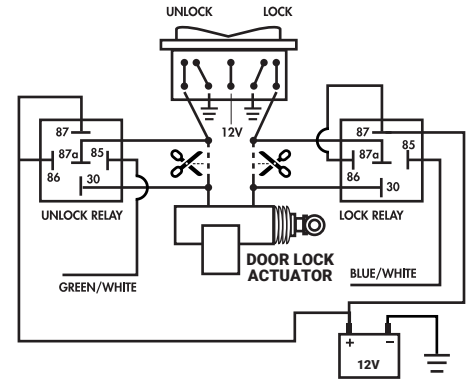
If you can not find a wire that will lock or unlock your doors when given a positive or negative trigger, then you have a reverse polarity system. Your switch should have at least 5 wires. 2 wires will be grounded, 1 wire will have power when you push the window switch "UP", 1 wire will have power when you push the window switch "DOWN", and 1 wire will have a constant 12 volts.

1. Cut the factory unlock wire.
2. Connect the factory unlock wire that comes from the switch to terminal 87a of the unlock relay.
3. Connect the other side of the factory unlock wire to terminal 30 of the unlock relay.
4. Cut the factory lock wire.
5. Connect the factory lock wire that comes from the switch to terminal 87a of the lock relay.
6. Connect the other side of the factory lock wire to terminal 30 of the lock relay.
7. Connect constant 12v power source (battery) to terminals 86 and 87 on both unlock and lock relays.
8. Connect the BLUE/WHITE wire to terminal 85 of the lock relay.
9. Connect the GREEN/WHITE wire to terminal 85 of the unlock relay.

⚠ IMPORTANT!

We recommend using Keep It Clean brand relays:

Using any other relays can cause damage and void warranty.

40 Amps or Lower
KICRA1000 SKU: 11048

80 Amps or Lower
KICRA8000 SKU: 11049*

*Recommended for maxium performance & power

KEEP IT CLEAN RELAYS vs. Others

FEATURES	OTHER BRANDS	KICRA1000 SKU: 11048	KICRA8000 SKU: 11049
Peak Amps	20	40	80
Max Performance	✗	✗	✓
Heavy Duty	✗	✓	✓
100% Copper Contacts	✗	✓	✓
2X Spring Retention	✗	✓	✓
Strong Coil	✗	✓	✓
Full Tech Support	✗	✓	✓
Impact Case	✗	✓	✓
Lifetime Warranty	✗	✓	✓
12 Volt	✓	✓	✓

4.

SHAVED DOOR WIRING DIAGRAM

AutoLöc

POWER TRUNK

SKU #9661

POSITIVE OUTPUT TO
TRUNK RELEASE WIRE

+12 VOLTS WHEN
SWITCH IS PUSHED

NEGATIVE
INPUT
(CH 3-8)
BROWN/BLACK

TRUNK
RELEASE
BUTTON

87 **87a** **85**
86 **30**

RELAY
SKU #9661

PARKING LIGHTS

NOTE: If parking lights are negative trigger, then connect 30 chassis to ground.

HEADLIGHT

12 VOLTS OR GROUND
WHEN LIGHTS ARE ON

HEADLIGHT
SWITCH

87 **87a** **85**
86 **30** ORANGE

RELAY
SKU #11048

SKU #790338

⚠️

*ALL OUTPUTS
ARE NEGATIVE

**Ground
signals
connect
to ground
side of
circuit.**

VALET
SWITCH

WHITE/BLACK (CH8 - 500mA)
RED/BLACK (CH7 - 500mA)
PURPLE/BLACK (CH6 - 500 mA)
GREEN/BLACK (CH5 - 500 mA)
YELLOW/BLACK (CH4 - 500 mA)
BROWN/BLACK (CH3 - 500 mA)
GREEN/WHITE (UNLOCK - 500 mA)
BLUE/WHITE (LOCK - 500 mA)
GRAY (NOT USED)
ORANGE (PARKING LIGHTS - 500 mA)
YELLOW (KEY ON ACCESSORY)
RED (+12V)

DO NOT CUT OR GROUND!
ANTENNA

🚫✂️
🚫

BLACK

2A FUSE

12V

12V WHEN
CAR IS ON

IGNITION
SWITCH

OFF ACC
ON
ST

NOTE: When
programming
remotes, remove
yellow wire from
PIN 86 of the
safety relay.
Reconnect when
done. See
programming
instrcutions on
page 2.

SKU #11048
**SAFETY
RELAY**

86 **87**
87a
30 **85**

⚠️ IMPORTANT!

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brand relays:**

Using any other relays can cause damage and void warranty.

40 Amps or Lower
KICRA1000 SKU #11048

KEEP IT CLEAN

80 Amps or Lower
KICRA8000 SKU #11049*
*Recommended for maxium performance & power

BEST!

SKU #11016
**CIRCUIT
BREAKER**

⚠️ Solenoid bracket must be grounded!
If you have a fiberglass car, you must
directly ground the bracket.

SHAVE DOOR HANDLE SYSTEMS

**DRIVER
DOOR SOLENOID**

SKU #9661

see note below ⚠️

87 **87a** **85**
86 **30**

RELAY
SKU #11049

**PASSENGER
DOOR SOLENOID**

SKU #9661

see note below ⚠️

87 **87a** **85**
86 **30**

RELAY
SKU #11049

AutoLöc™

CONTROL 8 FUNCTIONS FROM ONE REMOTE!

Control multiple accessories with either a certified relay OR a control module.

(see following pages for more details per wiring option)

AUTKL800BT SKU #790338

Wire	Description
WHITE/BLACK (CH8 - 500mA)	
RED/BLACK (CH7 - 500mA)	
PURPLE/BLACK (CH6 - 500 mA)	
GREEN/BLACK (CH5 - 500 mA)	
YELLOW/BLACK (CH4 - 500 mA)	
BROWN/BLACK (CH3 - 500 mA)	
GREEN/WHITE (UNLOCK - 500 mA)	
BLUE/WHITE (LOCK - 500 mA)	
GRAY (DO NOT USE)	
ORANGE (DO NOT USE)	
YELLOW (DO NOT USE)	

All 8 wires can be used independently to control any accessory with a relay or control module

Wire up the appropriate output you want to use to control your accessory.

RELAY

OR

CONTROL MODULE
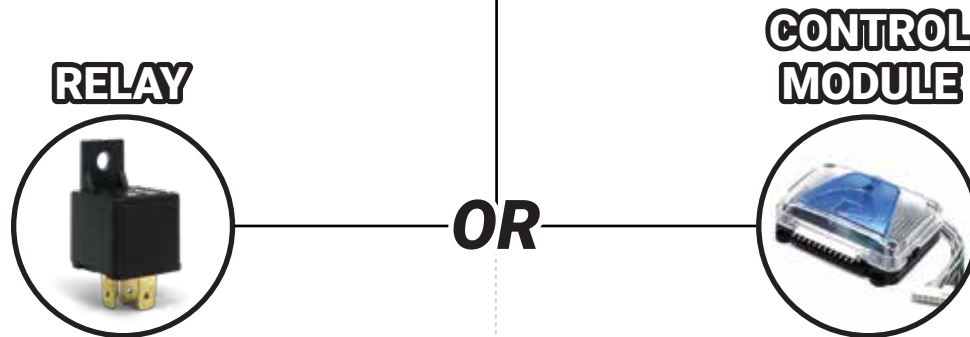
Positive/Negative Trigger :: Door Locks • Fan • Gas Cap • Glove Box • Hatch Release • Horn • Lights • Parking Lights • Power Latches • Power Tailgate • Shaved Doors • Trunk Pop • Motor Driver • Heated Seats • Radio

Circuit Connect/Disconnect :: Circuit Kill

Third Party Connections :: Factory Remote Operation • Garage Door • Gates • Volume

Reverse Polarity :: Actuators

Advanced Automation :: Air Suspension • Automated Hood • Doors • Engine Start • Hatch Open/Close • Heat/ AC • Hidden License Plate • Linear Actuators • Power Lambo Doors • Power Seats • Power Sunroof • Power Tonneau Cover • Power Windows • Suspension

ACCESSORY WIRING

RELAY WIRING

+ *POSITIVE TRIGGER CIRCUIT*

Circuit is activated when given a positive charge

⚠ IMPORTANT!

We recommend using Keep It Clean brand relays:

Using any other relays can cause damage and void warranty.

40 Amps or Lower
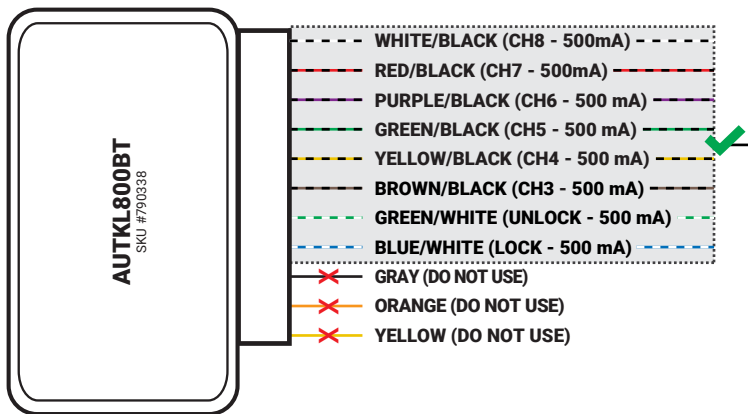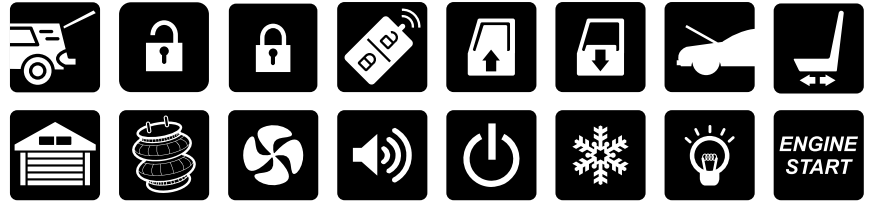KICRA1000 SKU #11048

KEEP IT CLEAN *wiring accessories*

80 Amps or Lower
KICRA8000 SKU #11049*
*Recommended for maxium performance & power

BEST!

AUTKL800BT
SKU #790338

NEGATIVE OUTPUT

87
87a   85
86   30

RELAY

SKU #11016
CIRCUIT BREAKER

12V + −

door locks
parking lights
fan
POWER LATCHES
gas cap
power latches
glove box
power tailgate
hatch release
shaved doors
radio
horn
trunk pop
lights
motor driver
heated seats

NOTE: Diagram represents more than one option. Choose 1 or more accessories you want to control.

− *NEGATIVE TRIGGER CIRCUIT*

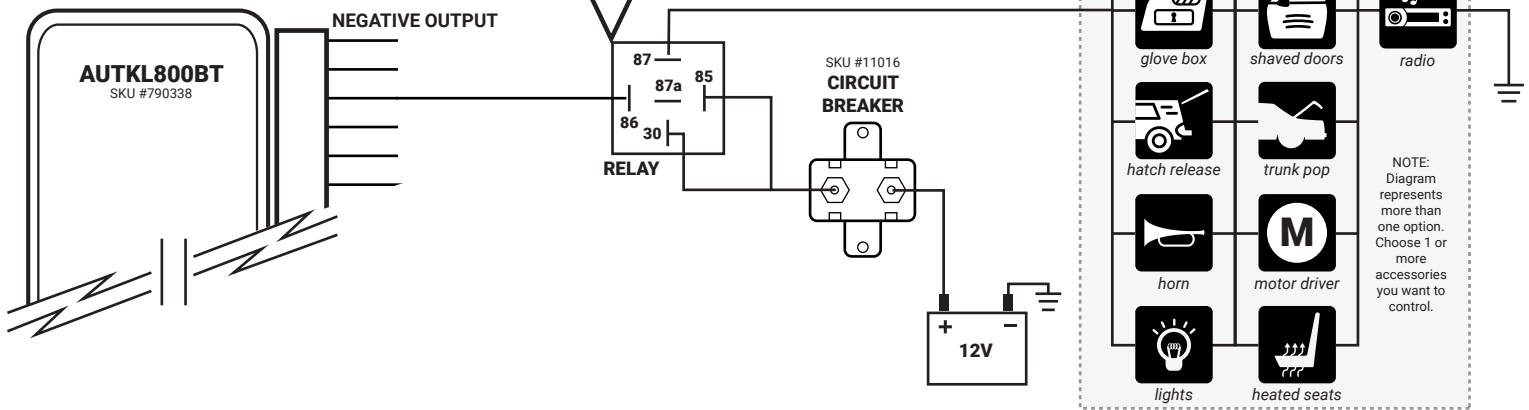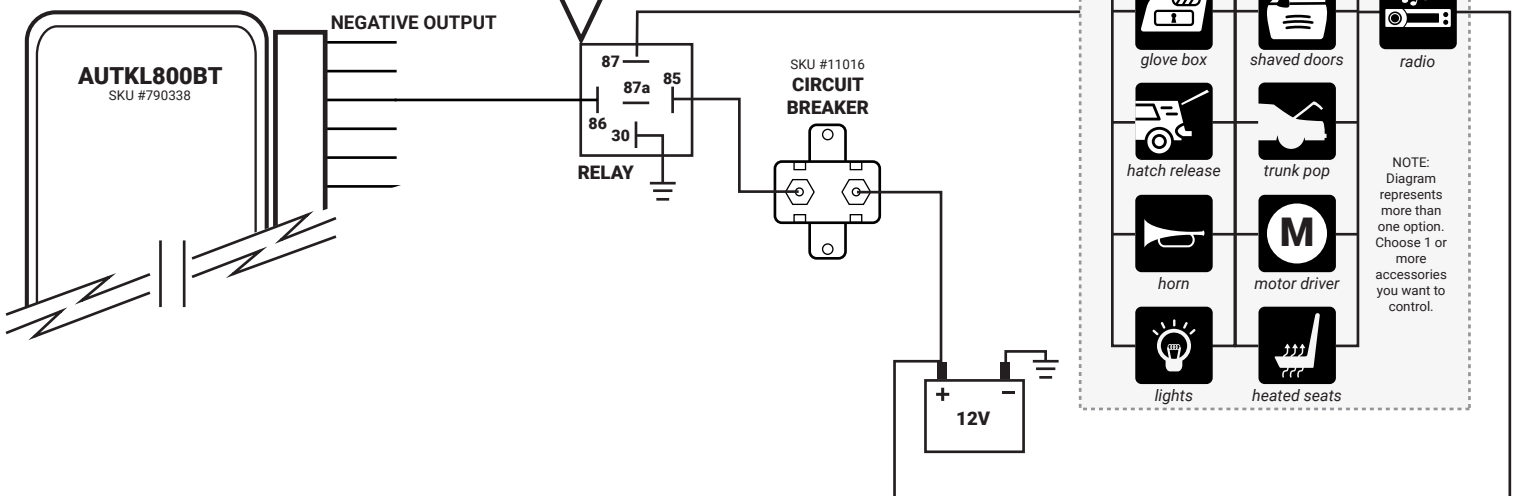Circuit is activated when given a positive charge

⚠ IMPORTANT!

We recommend using Keep It Clean brand relays:

Using any other relays can cause damage and void warranty.

40 Amps or Lower
KICRA1000 SKU #11048

KEEP IT CLEAN *wiring accessories*

80 Amps or Lower
KICRA8000 SKU #11049*
*Recommended for maxium performance & power

BEST!

AUTKL800BT
SKU #790338

NEGATIVE OUTPUT

87
87a   85
86   30

RELAY

SKU #11016
CIRCUIT BREAKER

12V + −

door locks
parking lights
fan
POWER LATCHES
gas cap
power latches
glove box
power tailgate
hatch release
shaved doors
radio
horn
trunk pop
lights
motor driver
heated seats

NOTE: Diagram represents more than one option. Choose 1 or more accessories you want to control.

ACCESSORY WIRING

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CIRCUIT DISCONNECT

When activated this will disconnect a circuit
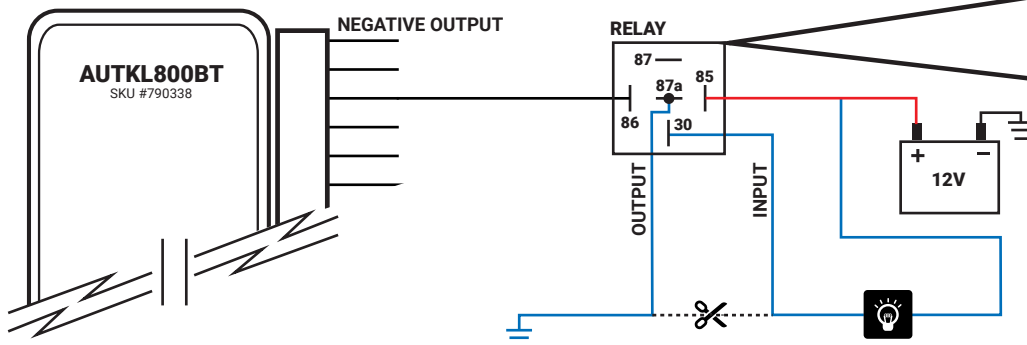
AUTKL800BT
SKU #790338

NEGATIVE OUTPUT

RELAY

87
87a 85
86 30

OUTPUT
INPUT

12V

⚠ **IMPORTANT!**

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Using any other relays can cause damage and void warranty.

40 Amps or Lower
KICRA1000 SKU #11048

KEEP IT CLEAN

80 Amps or Lower
KICRA8000 SKU #11049*

BEST!

Recommended for maxium performance & power

ℹ **NOTE**

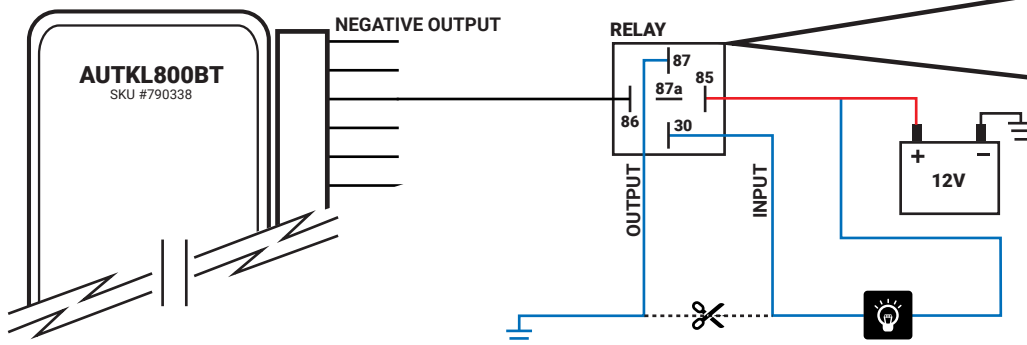**Circuit will only be disconnected while the AUTKL800BT has a negative output**

If you're using bluetooth, you can set the AUTKL800BT to one of the following:
Timed • Latching • Constant

CIRCUIT CONNECT

When activated this will connect a circuit

AUTKL800BT
SKU #790338

NEGATIVE OUTPUT

RELAY

87
87a 85
86 30

OUTPUT
INPUT

12V

⚠ **IMPORTANT!**

We recommend using Keep It Clean brand relays:
Using any other relays can cause damage and void warranty.

40 Amps or Lower
KICRA1000 SKU #11048

KEEP IT CLEAN

80 Amps or Lower
KICRA8000 SKU #11049*

BEST!
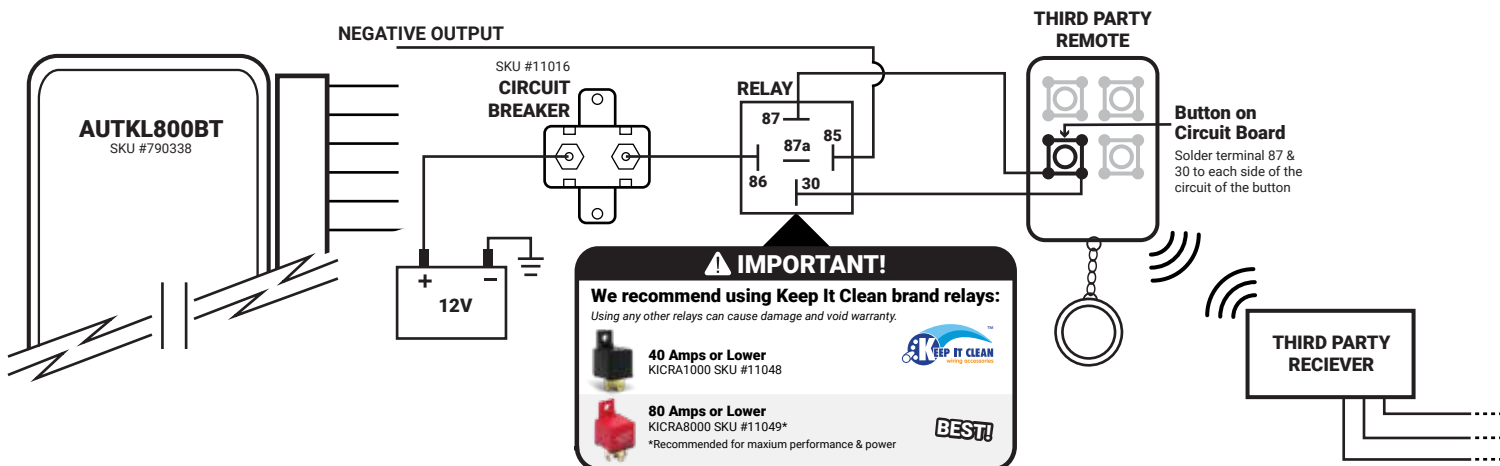
Recommended for maxium performance & power

ℹ **NOTE**

Circuit will only be disconnected while the AUTKL800BT has a negative output

If you're using bluetooth, you can set the AUTKL800BT to one of the following:
Timed • Latching • Constant

ACTIVATING A THIRD PARTY REMOTE

Hardwire to a third party remote

factory remotes   *garage door*   *gates*   *volume*

AUTKL800BT
SKU #790338

NEGATIVE OUTPUT

SKU #11016
CIRCUIT BREAKER

RELAY
87
87a 85
86 30

12V

THIRD PARTY REMOTE

Button on Circuit Board
Solder terminal 87 & 30 to each side of the circuit of the button

THIRD PARTY RECIEVER

⚠ **IMPORTANT!**

We recommend using Keep It Clean brand relays:
Using any other relays can cause damage and void warranty.

40 Amps or Lower
KICRA1000 SKU #11048

KEEP IT CLEAN

80 Amps or Lower
KICRA8000 SKU #11049*

BEST!

Recommended for maxium performance & power

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The above instructions are for reference only. THG is not responsible for any inaccuracies in the above instructions. THGI is also not responsible for any property damage or personal injuries resulting from the above instructions. Installation by qualified automotive professionals is highly recommended.

8.

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REVERSE POLARITY

Changes the polarity to operate at motor in 2 directions (up & down)
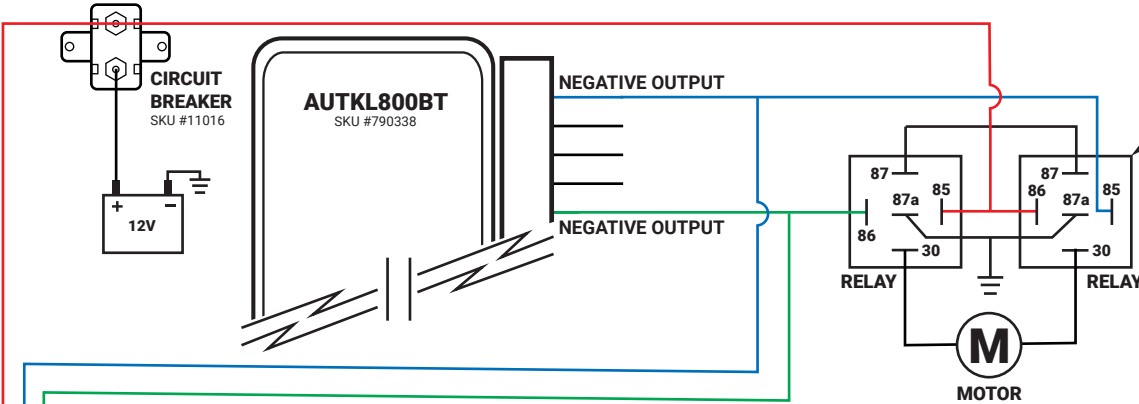
CIRCUIT BREAKER
SKU #11016

AUTKL800BT
SKU #790338

12V

NEGATIVE OUTPUT

NEGATIVE OUTPUT

87 87 85
87a 86 87a 85
86 30 30
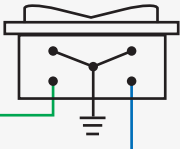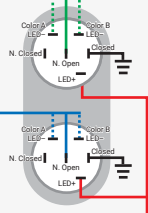
RELAY   RELAY

M
MOTOR

IDEAL FOR:
- Door Lock Actuator SKU #9773
- Linear Actuator SKU #9783
- Window Motor SKU #9848

ADD A SWITCH (optional)

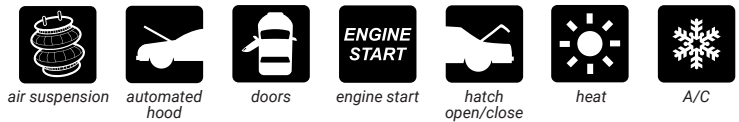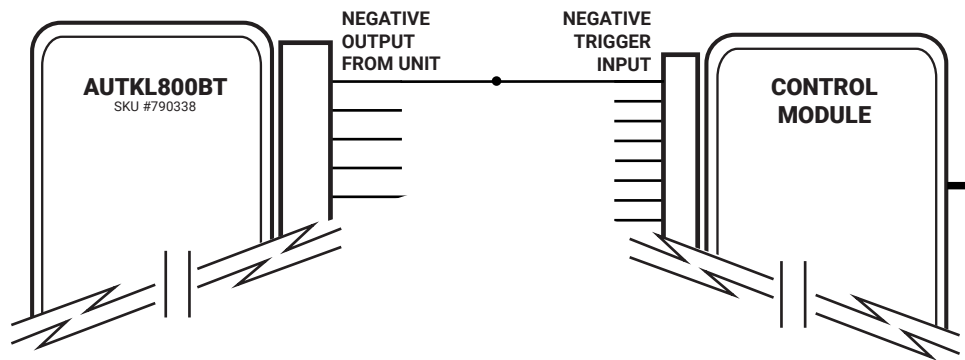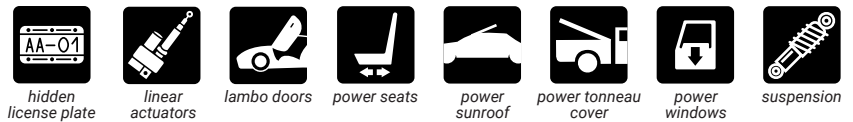**MOMENTARY ROCKER SWITCH**

SKU #10980   SKU #10981   SKU #10982

BILLET SWITCH

Color A Color B
LED- LED-
N. Closed Closed
N. Open
LED+

Color A Color B
LED- LED-
N. Closed Closed
N. Open
LED+

SKU #10956	SKU #10957	SKU #10963	SKU #10965	SKU #10961	SKU #10964	SKU #10962	SKU #18615	SKU #18616	SKU #18619	SKU #18621	SKU #18617	SKU #18620	SKU #18618

CONTROL MODULE WIRING

air suspension *automated hood* *doors* **ENGINE START** *engine start* *hatch open/close* *heat* *A/C*

hidden license plate *linear actuators* *lambo doors* *power seats* *power sunroof* *power tonneau cover* *power windows* *suspension*

⚠ **Follow instructions for additional wiring & settings for the control module.**

AUTKL800BT
SKU #790338

NEGATIVE OUTPUT FROM UNIT

NEGATIVE TRIGGER INPUT

CONTROL MODULE

IDEAL WITH:
- Suspension Control Module SKU #9826
- Engine Start Control Module SKU #9549
- Power Window Control Module SKU #9862
- Linear Actuator SKU #9790

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The above instructions are for reference only. THG is not responsible for any inaccuracies in the above instructions. THGI is also not responsible for any property damage or personal injuries resulting from the above instructions. Installation by qualified automotive professionals is highly recommended.

9.

hidden tv garage door gates doors lighting fireplace blinds curtains

You can connect the AUTKL800BT to all home automation systems that accept the following:
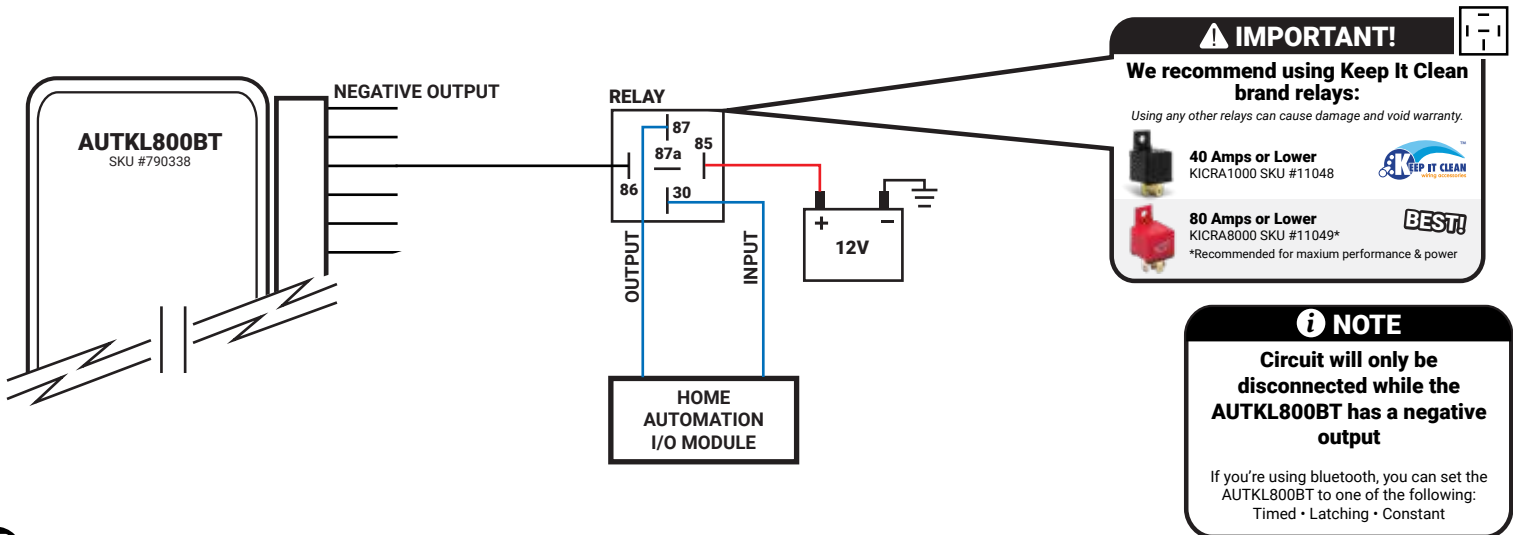
➕ *12V POSITIVE SIGNAL*

Please see the "Positive Trigger Circuit" diagram on page 6. Once wired up see the home automation documentation on how to program and integrate it to the home automation system.

➖ *12V NEGATIVE SIGNAL*

Please see the "Negative Trigger Circuit" diagram on page 6. Once wired up see the home automation documentation on how to program and integrate it to the home automation system.

🏠 *CONTACT CLOSURE OR I/O INTERFACE*

You can use a relay to connect a circuit on a Home Automation I/O Module. These modules will trigger home automation items once the cuicuit is connected or disconnected in most cases. Once wired up see the home automation documentation on how to program and integrate it to the home automation system.

AUTKL800BT
SKU #790338

NEGATIVE OUTPUT

RELAY
87
87a 85
86   30

OUTPUT   INPUT

12V

HOME AUTOMATION I/O MODULE

⚠ IMPORTANT!

We recommend using Keep It Clean brand relays:

Using any other relays can cause damage and void warranty.

40 Amps or Lower
KICRA1000 SKU #11048

80 Amps or Lower
KICRA8000 SKU #11049*
*Recommended for maxium performance & power

BEST!

ⓘ NOTE

Circuit will only be disconnected while the AUTKL800BT has a negative output

If you're using bluetooth, you can set the AUTKL800BT to one of the following:
Timed • Latching • Constant

🎛 *OFFERS A REMOTE CONTROL*

See "Activating a Third Party Remote" on page 7. Once wired up see the home automation documentation on how to program and integrate it to the home automation system.

ring · zigbee · portal from facebook · amazon · arlo · Linksys · G · NETGEAR · PHILIPS hue · LUTRON

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Q: Do the remotes / key fobs come pre-programed?

A: No. The remotes / key fobs on the AUTKL800BT must be code learned / programed on the initial installation. Please follow the Code Learning process on page 1.

Q: I push my remote button and nothing happens?

A: Check the following:

- You need to code learn your remotes. Please follow the Code Learning process on page 1.
- Battery on the remote is dead. Replace battery.

Q: I don't get an output signal from the receiver when pushing any button on the remote?

A: All output signals from the AUTKL800BT are negative / ground signals. Be certain you are testing for a ground / negative signal.

Q: My unit works, but the remote range seems to be short?

A: Check the following:

- Change the battery on the remote.
- Position the antenna on the receiver vertically as possible.
- Move the position of the receiver. Avoid low areas and mounting the receiver near items that create electrical interference.

Q: Park lights / test light does not flash when valet button is depressed and the solid Yellow wire is connected to 12V+?

A: Please verify that there is 12 volt battery power on the red wire and a good ground on the black wire.
The Vallet button must be depressed when the yellow wire is connected to 12 volts to enter programing mode. See complete Code Learning process and details on page 1.

Q: Do I have to use Keep It Clean brand relays or can I use another brand?

A: You can use whatever relay you like as long as it operates the same. However we have found Keep It Clean relays to be the best and provide a long life of trouble free operation. Using any other relays can cause damage and void your warranty. We only offer support on installation for Keep It Clean relays.

⚠ IMPORTANT!

We recommend using Keep It Clean brand relays:

Using any other relays can cause damage and void warranty.

40 Amps or Lower
KICRA1000 SKU: 11048

80 Amps or Lower
KICRA8000 SKU: 11049*

*Recommended for maxium performance & power

KEEP IT CLEAN RELAYS vs. Others

FEATURES	OTHER BRANDS	KICRA1000 SKU: 11048	KICRA8000 SKU: 11049
Peak Amps	20	40	80
Max Performance	✗	✗	✓
Heavy Duty	✗	✓	✓
100% Copper Contacts	✗	✓	✓
2X Spring Retention	✗	✓	✓
Strong Coil	✗	✓	✓
Full Tech Support	✗	✓	✓
Impact Case	✗	✓	✓
Lifetime Warranty	✗	✓	✓
12 Volt	✓	✓	✓