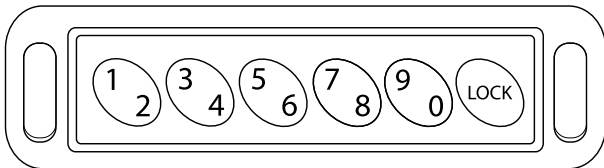




Installation Manual

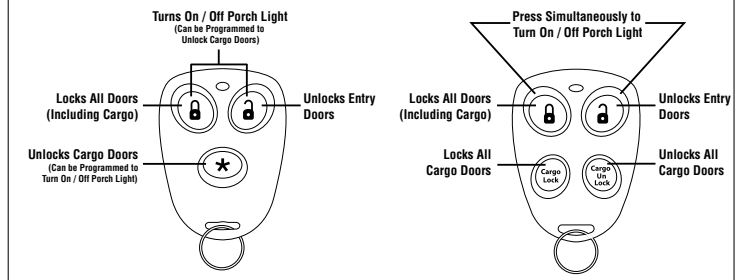
Keypad Keyless Entry System



Models:
MKE-300A and MKE-400A

For Technical Assistance call (800) 638-3600 or visit www.magnadyne.com

Transmitters



Programming

A. 3-Button Transmitter Programming

Note: This mode will only retain the last 4 remote transmitters programmed. If the transmitter memory is exceeded, the security system will start deleting transmitters from memory in chronological order.

1. Turn the ignition switch to the "ON" position.
2. Within 15 seconds, push the Program Button (located on the back of the housing) 3 times. The onboard LED will be flashing and the beeper will emit a long chirp to indicate the system is in Transmitter Programming Mode.

3. Press and hold any button on the transmitter until the onboard LED turns on for 2 seconds and the beeper responds with a confirming chirp, indicating the signal has been stored into memory.
4. If you have additional transmitters (up to 4) that need to be programmed, repeat step 3 for each transmitter.

Exit: Turn the ignition switch to the "OFF" position, or wait for 15 seconds. The onboard LED turns off and the beeper will emit 3 long chirps to confirm exit.

Exit: Turn the ignition switch to the "OFF" position, or wait for 15 seconds. The onboard LED turns off and the beeper will emit 3 long chirps to confirm exit.

B. 4-Button Transmitter Programming

Note: This mode will only retain the last 4 remote transmitters programmed. If the transmitter memory is exceeded, the security system will start deleting transmitters from memory in chronological order.

1. Turn the ignition switch to the "ON" position.
2. Within 15 seconds, push the Program Button (located on the back of the housing) 5 times, the onboard LED will be flashing and the beeper will emit a long chirp to indicate the system is in Transmitter Programming Mode.

3. Press and hold any button on the transmitter until the onboard LED turns on for 2 seconds and

the beeper responds with a confirming chirp, indicating the signal has been stored into memory.

4. If you have additional transmitters (up to 4) that need to be programmed, repeat step 3 for each transmitter.













Exit: Turn the ignition switch to the "OFF" position, or leave it for 15 seconds. The onboard LED turns off and the beeper will emit 3 long chirps to confirm exit.

C. Feature Programming

1. Turn the ignition switch "ON" then "OFF".
2. Within 15 seconds, push the Program Button (located on the back of the housing) 7 times, the onboard LED will be constantly on and the beeper will emit a long chirp to indicate the system is in Feature Programming Mode.

3. Press and release the transmitter button or keypad button that corresponds to the feature you want to change (see chart). The beeper chirps and the onboard LED flashing will indicate setting.

4. Continue to press and release the transmitter button or keypad button until the beep response matches your desired setting.

| | | |
|--|---|---|
| Press Transmitter Button or Keypad Key | One Beep / One LED Flash (Factory Default Setting) | Two Beeps / Two LED Flashes |
| Press the  Transmitter Button or Press and Hold the 1/2 Key on the Keypad for 3 Seconds | Channel 3 Output = Momentary Output | Channel 3 Output = Latched Output |
| Press the  Transmitter Button or Press and Hold the 3/4 Key on the Keypad for 3 Seconds | Channel 4 Output = Momentary Output | Channel 4 Output = Latched Output |
| Press the  Button on the 3-Button Transmitter or Press the Button  on the 4-Button Transmitter or Press and Hold the 5/6 Key on the Keypad for 3 Seconds | Channel 5 Output = Momentary Output | Channel 5 Output = Latched Output |
| Press the  and  Button at the Same time (3-Button Transmitter Only) or Press and Hold the 7/8 Key for 3 Seconds |  Button = Unlock Cargo Door(s) Control  +  = Porch Light On/Off Control |  +  = Unlock Cargo Door(s) Control  Button = Porch Light On/Off Control |

Exit: Turn the ignition switch to the "ON" position, or press the "LOCK" button on the keypad or leave it for 15 seconds. The beeper will emit 3 long chirps and the onboard LED will turn off to confirm exit.

Programming

D. Reprogramming All Codes Back to Default

1. Enter the Code "7352000" on the keypad. The beeper will emit 1 long chirp to confirm the correct code was entered.
2. Press and hold the "LOCK" key on the keypad for 5 seconds and until 5 beeps are heard, then release.
3. The system will reprogram all codes back to the default setting. The default program code is "12345" and the default user code is "54321".

E. Changing the Program Code

(The default program code is "12345")

1. Enter the program code on the keypad. The beeper will emit a long chirp to confirm the correct code was entered.
 2. Press and hold the "LOCK" key on the keypad for 2 seconds and until 5 beeps are heard, then release.
 3. Enter a new 4 to 6 digit program code on the keypad.
 4. Finish by pressing the "LOCK" key on the keypad. 1 long beep with 2 short beeps will confirm the new program code has been stored into memory.
- Exit:** If 15 seconds of inactivity occurs during the above steps, the unit will default back to the last successfully stored code. 3 longs beeps confirm exit.







F. Programming the User Code

(The default user code is "54321")






- Note: This mode will only retain the last 4 user codes programmed. If the user code memory is exceeded, the security system will start deleting user codes from memory in chronological order.
1. Enter the program code on the keypad ("12345" is default). The beeper will emit a long chirp to confirm the correct code was entered.
 2. Enter a new 4 to 6 digit user code on the keypad. Do not use "1234".
 3. Finish by pressing the "LOCK" key on the keypad. 1 long beep with 2 short beeps will confirm the new user code has been stored into memory.
 4. If you have additional user codes (up to 4) that need to be programmed, repeat steps 2 - 3 for each new user code.
- Exit:** Press and hold the "LOCK" key for 1 second or if 15 seconds of inactivity occurs during the above steps, the unit will revert back to the last successfully stored code. 3 longs beeps confirm exit. The unit will revert back to the last successfully stored code. 3 longs beeps confirm exit.

Operation

A. 4-Button Transmitter Operation

| Transmitter Button | System Function | Remark |
|---|--|--|
|  | Locks the Vehicle's Doors and Cargo Door | Parking Lights Flash Once |
|  | Unlocks the Vehicle's Doors | 1. Parking Lights Flash Twice 2. Dome Light Turns On for 30 Seconds 3. Porch Light Turns On for 30 Seconds Note: If vehicle is operating from the RV battery only, the parking lights will not flash. |
|  | Locks the Cargo Door(s) | |
|  | Unlocks the Cargo Door(s) | |
|  +  | Turns the Porch Light On or Off | Upon Vehicle's Door Unlock |

B. 3-Button Transmitter Operation

| Transmitter Button | System Function | Remark |
|---|---|--|
|  | Locks the Vehicle's Doors and Cargo Door(s) | Parking Lights Flash Once |
|  | Unlocks the Vehicle's Doors | 1. Parking Lights Flash Twice 2. Dome Light Turns On for 30 Seconds 3. Porch Light Turns On for 30 Seconds Note: If vehicle is operating from the RV battery only, the parking lights will not flash. |
|  | Unlocks the Cargo Door(s) (Can be re-programmed to Turn the Porch Light On or off) | Upon Vehicle's Door Unlock |
|  +  | Turns the Porch Light On or Off (Can be re-programmed to Unlock the Cargo Doors) | Upon Vehicle's Door Unlock |

Operation

C. Keypad Operation

| Keypad | System Function | Remark |
|--|---|--|
| Press the "LOCK" Key | Locks the Vehicle's Doors and Cargo Door(s) | Parking Lights Flash Once |
| Key in the User Code | Unlocks the Vehicle's Doors | 1. Parking Lights Flash Twice 2. Dome Light Turns On for 30 Seconds 3. Porch Light Turns On for 30 Seconds Note: If vehicle is operating from the RV battery only, the parking lights will not flash. |
| Press and Hold the "1/2" Key for 3 Seconds | Locks or Unlocks the Cargo Door (Operation is Sequential) | System must be in Unlocked Mode |
| Press and Hold the "3/4" Key for 3 Seconds | Turns On the Porch Light or Turns Off the Porch Light (Operation is Sequential) | System must be in Unlocked Mode |
| Key in the User Code, then Press and Hold the "5/6" Key for 5 Seconds | Activates the Channel 3 Output | The Output is Active as long as the Button is Held. Release and Reprss within 5 Seconds to Reactivate. After 5 Seconds, Reenter User Code to Reactivate. |
| Key in the User Code , then Press and Hold the "7/8" Key for 5 Seconds | Activates the Channel 4 Output | The Output is Active as long as the Button is Held. Release and Reprss within 5 Seconds to Reactivate. After 5 Seconds, Reenter User Code to Reactivate. |
| Key in the User Code, then Press and Hold the "9/0" Key for 5 Seconds | Activates the Channel 5 Output | The Output is Active as Long as the Button is Held. Release and Reprss within 5 Seconds to Reactivate. After 5 Seconds, Reenter User Code to Reactivate. |
| Key in the User Code, then Press and Hold the "LOCK" Key for 3 Seconds | Turns On or Off the Beep Feature of the Keypad | 1 Beep = Keypad Chirp is On (Default) 3 Beeps = Keypad Chirp is Off |

Note: Turn the ignition switch to the "ON" position, or "LOCK" the vehicle's doors to turn off the dome light.

Wire Descriptions

Listed in Order of Pin Position:

Blue Wire: Self polarizing cargo door lock output. Connect this wire to the lock relay for the cargo door(s) (200ma capacity).

Green/White Wire: Self polarizing vehicle door unlock output. Connect this wire to the unlock relay for the vehicle door(s) (200ma capacity).

Black Wire: Main system ground. Connect to the vehicle chassis.

Orange Wire: (-) channel #4 output. Output type is programmable (200ma capacity).

Violet Wire: (-) channel #5 output. Output type is programmable (200ma capacity).

Yellow Wire: +12 volt input supplied by switching on the ignition key.

Red Wire: Vehicle battery + input. Connect this wire to the (+) post of the vehicle battery. This wire will provide a power source when the vehicle battery is not shut off.

White Wire: (Fused) Parking light flash relay input. Connect this wire to a (+) or (-) power source (Depending on the parking light voltage requirement) (Fused 15 amp capacity).

White/Black Wire: Porch light relay output. Connect this wire to the vehicle porch light trigger circuit.

Blue/White Wire: Self-polarizing cargo door unlock output. Connect this wire to the unlock relay for the cargo doors (200ma capacity).

Green Wire: Self-polarizing vehicle door lock output. Connect this wire to the lock relay for the vehicle door(s) (200ma capacity).

Red/White: RV battery + input. Connect this wire to the (+) post of the RV (house) battery. This wire will provide a power source if the vehicle battery is shut off.

Black/White Wire: (-) channel #3 output. Output type is programmable (200ma capacity).

White/Black Wire: (Fused) Porch light relay input. Connect this wire to a (+) or (-) power source (Depending on the porch light voltage requirement) (Fused 15 amp capacity).

Brown Wire: (Fused) Interior light relay input. Connect this wire to a (+) or (-) power source (Depending on the interior light voltage requirement) (Fused 15 amp capacity).

Brown: Interior light relay output. Connect this wire to the vehicle interior light trigger circuit.

White Wire: Parking/running light relay output. Connect this wire to the vehicle parking/running light trigger circuit.

Wire Harness Notes:

1. The cargo door lock/unlock outputs are terminated into a mini 3-pin plug. For vehicles without an existing door lock control relay system, use relay pack model # ALA-DL1. This relay pack will plug directly into the provided connector and operate up to (4) door lock motors.

2. The vehicle door lock/unlock outputs are terminated into mini 3-pin plug. For vehicles without an existing door lock control relay system, use relay pack model # ALA-DL1. This relay pack will plug directly into the provided connector and operate up to (4) door lock motors.