InHome™
Garage Automation Package
Model Number: IGA10A

Installation Guide / Wiring Diagram
For Monitoring and Controlling Garage Doors and Enabling Automation Events
In Control4® Home Automation Projects

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Package Contents

The Card Access InHome™ Garage Automation Package (model number IGA10A) is an “all-in-one” solution including everything Control4® Dealers need to monitor and control two residential garage doors in a Control4-automated home.

Along with the Installation Guide (with instructions and wiring diagrams for installing the Contact Switch, Contact Relay, Rail-Mounted Contacts and External Thermistor), the Card Access InHome Garage Automation Package includes the following equipment:

- One (1) Card Access InHome Wireless Contact Switch
- One (1) Card Access InHome Wireless Contact Relay
- One (1) Card Access InHome North American 12V External Power Supply
- One (1) Card Access InHome External Thermistor
- Two (2) GE Model 2317A-L Rail-Mounted Magnetic Door Contacts

The Card Access InHome Wireless Contact Switch monitors the states of up to two garage doors (and with proper placement can also monitor one human door) enabling Control4 automation events based on whether the garage doors are opened or closed.
The Card Access InHome Wireless Contact Relay remotely opens and closes up to two garage doors. Both the InHome Wireless Contact Relay and Contact Switch are Control4 Certified and use ZigBee™ (IEEE 802.15.4) wireless technology to eliminate the need for running control wires back to the Control4 Home Theater/Media/HC Series Controllers.

The two GE 2317A-L Rail-Mounted Magnetic Door Contacts are designed specifically for panel or sectional style overhead doors. Their unique design allows the contact to be mounted directly to the door channel, with the magnet mounted vertically on the door. The contacts feature durable aluminum construction and ruggedized, 3/16” armored (A) stainless steel cable enclosed wire leads.

The Card Access InHome External Thermistor makes it easy to get an outside temperature sensor through an exterior garage wall to enable outdoor temperature-based automation events.

Figure 1 below shows you where the InHome Garage Automation Package components are placed in a typical residential two-door garage.

![InHome Garage Automation Package - Symbol Legend](image)

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**Figure 1** – InHome Garage Automation Package Component Placement in a Typical Two-Door Garage

**Introduction**

In most homes the garage door is the only motorized door. The Card Access InHome Garage Automation Package makes it easy to get an outside temperature sensor through an exterior garage wall to enable outdoor temperature-based automation events.

With everything you need in a single box, the InHome Garage Automation Package contains all the necessary gear to completely integrate monitoring and control of up to two garage doors into any Control4 project—and with a minimum amount of wiring.

This “one stop shop” makes adding garage door automation features to the Control4 home simple and convenient for Control4 Dealers. The result provides homeowners with added convenience and peace of mind.
**Easy Installation**

The InHome Garage Automation Package is designed for quick installation with high reliability. The Card Access InHome Wireless Contact Switch and Relay installs quickly. The two innovative rail-mounted GE garage door contacts install vertically on the door channel (eliminating messy floor mounted contacts and cracked cement) and are both connected to the InHome Wireless Contact Switch. An entire automation package can easily be installed by experienced installers in as little as 30 minutes.

**Applications**

Everyone hates waking up in the morning only to discover the garage door was left open all night. Now the InHome Garage Automation Package from Card Access eliminates worries for Control4-automated homeowners. When used in Control4 systems, homeowners can monitor their homes from miles away.

Use the InHome Garage Automation Package with new or existing garage doors to wirelessly add capabilities to Control4 projects like:

- Remote controlled garage open and close
- Automatic time-based garage open or close
- 4Sight remote garage open and close
- Home lighting scene changes (and other home automation events) based on garage door open/close states
- LED keypad status of garage door open/close states

!!! WARNING !!!: To prevent accidental closing of garage doors on obstructed or otherwise occupied garage doorways, the InHome Garage Automation Package MUST ONLY BE INSTALLED on garage doors WITH “SAFETY BEAM” CAPABILITIES that are designed to detect garage doorway obstructions and prevent door closure.

**Control4 Compatibility**

NOTE: The InHome Garage Automation Package has been tested and is designed to work with Control4 Software version 1.3.2. All necessary drivers for the Package are included in this Control4 version.

**Installation**

**Quick Hardware Installation Instructions**

For a typical two-door garage installation, connect the InHome Garage Automation Package contents to the garage doors and garage motor drives in the following manner:

1. Install the InHome Wireless Contact Switch on a wall between the two garage door rail assemblies.
2. Install the two (2) GE Model 2317A-L Rail-Mounted Magnetic Door Contacts on to the two garage door rail assemblies, and connect them to the InHome Wireless Contact Switch.
3. Install the InHome External Thermistor on an outside wall and route its wire back into the garage and connect it to the InHome Wireless Contact Switch.
4. Install the InHome Wireless Contact Relay on the ceiling between the two garage door motor drives, connect its external power supply and plug it into a ceiling outlet.
5. Using standard AWG 18-28 wiring, connect the garage door motor drives to the two relay connections on the InHome Wireless Contact Relay (simply duplicate the wiring scheme from the motor drives to the existing garage door buttons already installed in the garage area)

**Detailed Instructions for Monitoring Garage Door Open/Closed States and External Temperature Values**

To install the needed hardware to support Control4 monitoring of the open and closed state of the garage doors, please install the hardware referenced in Figure 2 below as you complete the following steps:
1. Add a room to the Composer Project and name it something obviously associated with the garage (like ‘Garage’).
2. Add one InHome Wireless Contact Switch to the Garage room in the Composer Project and create the proper bindings for two garage doors (please refer to the InHome Wireless Contact Switch Installation Guide included with this Package and your Control4/Composer documentation for additional installation details).
3. Using the included mounting hardware, attach the two (2) GE Model 2317A-L Rail-Mounted Magnetic Door Contacts—one to each of the two garage door rail assemblies (please refer to the 2315 Series Panel Door Magnetic Contact document included with the Door Magnets for additional installation details).
4. Using the included mounting screws and wall anchors, mount the InHome Wireless Contact Switch to a location ideally located between the two Rail-Mounted Magnetic Door Contacts (please refer to the InHome Wireless Contact Switch Installation Guide included with this Package for additional installation details).
5. For each of the Rail-Mounted Magnetic Door Contacts, connect the proper wires to the InHome Wireless Contact Switch’s Tray Assembly using Pins 1 and 2 for Door Contact 1, and Pins 2 and 3 for Door Contact 2.

NOTE: Each GE Model 2317A-L Rail-Mounted Magnetic Door Contact has three wires. You should only connect two of the wires to the InHome Wireless Contact Switch. The wires you need to use depend on whether you want an event to be generated when the door is opened (N.C.) or when the door is closed (N.O.). For example, if you want to generate a contact event on door open, connect the RED wire to the InHome Wireless Contact Switch’s Tray Assembly Pin 1, and the BLACK (Common) wire to Pin 2.
6. (Optional) If you wish to use the External Thermistor (included in this package) to measure and create automation events based on the outdoor temperature, perform the following steps:
   a. Locate the External Thermistor on an outside garage wall within 10 feet of the InHome Wireless Contact Switch.
   b. Fish the wire pair from the External Thermistor back into the garage.
   c. Connect the two tinned wires to the InHome Wireless Contact Switch’s Tray Assembly Pins 2 and 4. It does not matter which wire is connected to which pin. (please refer to the InHome Wireless Contact Switch Installation Guide included with this Package and your Control4/Composer documentation for additional installation details on how to use the Thermistor to generate events inside the Composer Project).

Detailed Instructions for Automating Garage Door Operation
To install the needed hardware to support Control4 automation of garage door operation, please install the hardware referenced in Figure 3 below as you complete the following steps:

**Figure 3** – Garage Door Motor Drive to InHome Wireless Contact Relay Wiring Diagram

1. Add one InHome Wireless Contact Relay to the Garage room in the Composer Project and create the proper bindings for two garage door motor drives (please refer to the InHome Wireless Contact Relay Installation Guide included with this Package and your Control4/Composer documentation for additional installation details).
2. Using the included mounting screws and wall anchors, mount the InHome Wireless Contact Relay to a location ideally located between the two garage door motor drives (please refer to the InHome Wireless Contact Relay Installation Guide included with this Package for additional installation details).
3. For each of the garage door motor drives, connect the garage door motor drives using standard AWG 18-28 wiring to the InHome Wireless Contact Relay’s Tray Assembly using Pins 1 and 2 for garage door motor drive 1 and Pins 3 and 4 for garage door motor drive 2. (To determine which motor drive terminals should be used, simply duplicate the wiring scheme from the motor drives to the existing garage door buttons already installed in the garage area).

4. Connect any 9-24V AC/DC power supply to the InHome Wireless Contact Relay’s Tray Assembly Pins + and –. If you use a DC power supply (including the External 12V DC Power Supply included with the InHome Wireless Contact Relay) you must match the polarity of the power supply to the proper + and – Tray Assembly Pin.

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**Suggested Automation Events**

Now that the hardware is installed, you can use Control4 home automation system to monitor the open and closed states of the garage doors, and actually open and close the garage doors. Using the Composer software you can add a wide variety of events. Ideas for events include the following:

1. Changing the color on Control4 LED Keypad buttons to indicate the open and closed states of the garage doors.
2. Programming those same Control4 LED Keypad buttons to open and close the garage doors.
3. Creating audio events reporting the opening and closing of the garage doors.
4. Turning lights on inside the home when garage doors open.
5. Automatically closing the garage doors after they have remained open for a specific amount of time.

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6. Automatically closing the garage doors at a particular time of day.

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7. Activate an IP camera (not included) located at the garage door and use a camera preset to view activity in the garage based on the open and closed states of the garage doors.

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**Product Support**

If you have any difficulties, please contact Card Access Product Support at +1.801.748.4900, extension 15 weekdays from 8am to 5pm Mountain Time for technical assistance.
Product Registration
Please visit www.cardaccess-inc.com/inhome/registration to register your new product. Along with your contact information, you must provide the following additional information:

• Product Name (Card Access InHome Garage Automation Package)
• Model Number (IGA10A)
• Date of Purchase
• Place of Purchase
• Serial Number (this is the “MAC ID” located on the sticker attached to the radio/logic board inside the Cover Assembly of either one of the InHome Wireless Contact Switches included in the Package)

Please refer to the One-Year Limited Warranty for complete warranty information.

One-Year Limited Warranty
This product is warranted to be free of defects in material and workmanship for one year from date of original purchase from Card Access, Inc. ("Card Access").

Card Access will, at its election and as the purchaser’s or end user’s sole and exclusive remedy for any breach of the limited warranty set forth above, repair or replace this product if a defect in material or workmanship is identified and communicated to Card Access within the one-year period described above. Card Access is not responsible for removal or reinstallation costs. This warranty is not valid in cases where damage to this product is the result or arises out of misuse, abuse, incorrect repair or improper wiring or installation.

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This is Card Access’ exclusive written warranty.

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