



InHome™

## Doorbell and Phone Event Package

Model Number: IDP10A

***Installation Guide / Wiring Diagram***  
***For Creating Doorbell and Telephone Ring-based Events***  
***In Control4® Home Automation Projects***

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# Card Access InHome™ Doorbell and Phone Event Package Installation Guide / Wiring Diagram for Control4® Automated Doorbell and Phone Circuits

## Introduction

It hasn't been very easy creating automation events for doorbell rings and telephone calls in the Control4®-automated home... until now. The Card Access InHome™ Doorbell and Phone Event Package (model number IDP10A) is an all-in-one solution that makes it quick and easy to add doorbell and phone-based automation events in Control4-automated homes.

With everything you need in a single box, the InHome Doorbell and Phone Event Package includes all the gear to create events for one or two doorbells and one phone line:

- 2 InHome Wireless Contact Switches
- 1 North American External Power Supply (for optional DC powering of the InHome Wireless Contact Switch)
- 1 ELK-930 Doorbell and Telephone Ring Detector
- Installation Guide / Wiring Diagram (information for automating doorbell and telephone circuits)

The Control4® Certified InHome Wireless Contact Switch operates on either two AA batteries or a low-voltage power supply (included in the InHome Doorbell and Phone Event Package). This single, small device combines up to three contact switches, two temperature sensors, and—when line-powered—a ZigBee™ (IEEE 802.15.4) repeater.

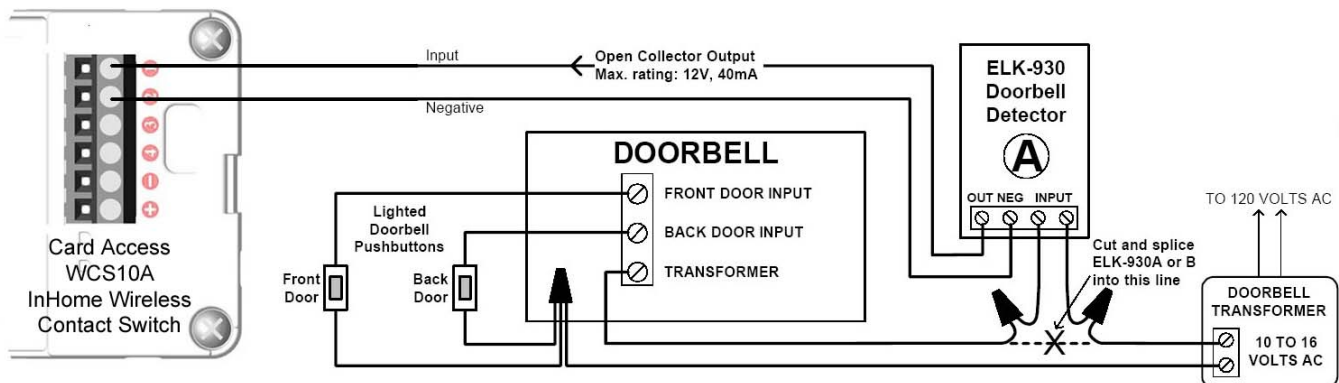
The ELK-930 Doorbell and Telephone Ring Detector detects ring activation from one or two doorbell buttons and a single telephone line. It conveniently isolates the voltage and current and produces an open collector (pull to ground) output which can be used to trigger the InHome Wireless Contact Switch. The ELK-930's circuit board is pre-scored so that the three individual detectors may be snapped off (separated) from each other.

## Control4 Compatibility

**!!! NOTE !!!:** The InHome Doorbell and Phone Event 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.

## Doorbell Ring Event Wiring Diagram

To install the needed hardware to support automation events around a doorbell ring, please refer to the diagram in Figure 1 below as you complete the following steps:



**Figure 1 – Doorbell Ring Event Wiring Diagram**

1. Add one InHome Wireless Contact Switch to the Composer Project and create the proper bindings (please refer to the InHome Wireless Contact Switch Installation Guide for additional installation details.)
2. Using two jumper wires similar in gauge to the existing doorbell ringer circuit, connect the doorbell circuit's transformer and front door input to the two INPUT terminals on the ELK-930 Doorbell Ring Detector.

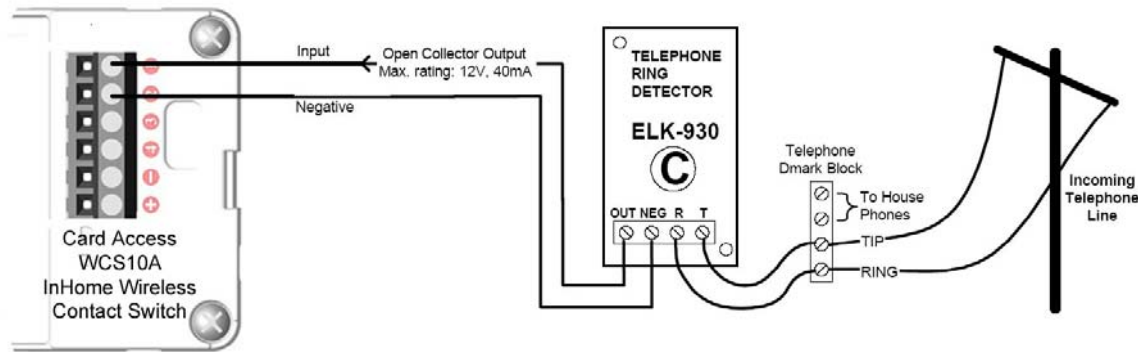
3. Using two jumper wires similar in gauge to the existing doorbell ringer circuit, connect pins 1 and 2 on the InHome Wireless Contact Switch to the OUT and NEG terminals ELK-930 Doorbell Ring Detector.
4. Using the included adhesive foam, mount the ELK-930 Doorbell Ring Detector to a location near the doorbell ringer/transformer assembly.

**!!! NOTE !!!:** No enclosure is provided or required for the ELK-930 Doorbell Ring Detector. You should exercise caution and not place it in such a way as to short the ELK-930 Doorbell Ring Detector's printed circuit board (PCB).

5. Using the included mounting screws and wall anchors, mount the InHome Wireless Contact Switch to a location near the doorbell ringer/transformer assembly.
6. Using the Composer software, you can now add events around the ringing of the doorbell. Ideas for events include the following:
  - a. Mute all audio zones for 5 to 10 seconds to allow occupants to hear the doorbell ringing
  - b. Flash the lights in rooms where it is difficult to hear the doorbell ringing
  - c. Activate an IP camera (not included) located at the door and use a camera preset to see who is there

### Telephone Ring Event Wiring Diagram

To install the needed hardware to support automation events around a telephone ring, please refer to the diagram in Figure 2 below as you complete the following steps:



**Figure 2 – Telephone Ring Event Wiring Diagram**

1. Add one InHome Wireless Contact Switch to the Composer Project and create the proper bindings (please refer to the InHome Wireless Contact Switch Installation Guide for additional installation details.)
2. Using two jumper wires similar in gauge to the existing telephone circuit, connect the telephone TIP and RING wires for one line to the T and R terminals on the ELK-930 Telephone Ring Detector.
3. Using two jumper wires similar in gauge to the existing telephone circuit, connect pins 1 and 2 on the InHome Wireless Contact Switch to the OUT and NEG terminals ELK-930 Telephone Ring Detector.
4. Using the included adhesive foam, mount the ELK-930 Telephone Ring Detector to a location near the telephone line.

**!!! NOTE !!!:** No enclosure is provided or required for the ELK-930 Telephone Ring Detector. You should exercise caution and not place it in such a way as to short the ELK-930 Telephone Ring Detector's printed circuit board (PCB).

5. Using the included mounting screws and wall anchors, mount the InHome Wireless Contact Switch to a location near the telephone line.
6. Using the Composer software, you can now add events around the ringing of the telephone. Ideas for events include the following:
  - d. Mute all audio zones for 5 to 10 seconds to allow occupants to hear the telephone ringing
  - e. Flash the lights in rooms where it is difficult to hear the telephone ringing

## **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](http://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 Doorbell and Phone Event Package)
- Model Number (IDP10A)
- 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.

To notify Card Access of any breach of the foregoing limited warranty and to obtain warranty service, contact Card Access Customer Support by e-mail to [inhomesupport@cardaccess-inc.com](mailto:inhomesupport@cardaccess-inc.com) or by calling 801-748-4900, extension 15, to obtain a Return Materials Authorization (“RMA”) number and instructions for returning your defective product to Card Access.

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