OpenTech IoE

INSOMNIAC
SmartDoor

Configuration Guide

March 2019

Table of Contents

SmartDoor Introduction

SmartDoor is the third integration to date available in the IoE Control Center along with HVAC (Honeywell Round and T5 series thermostats) and Amazon Alexa.
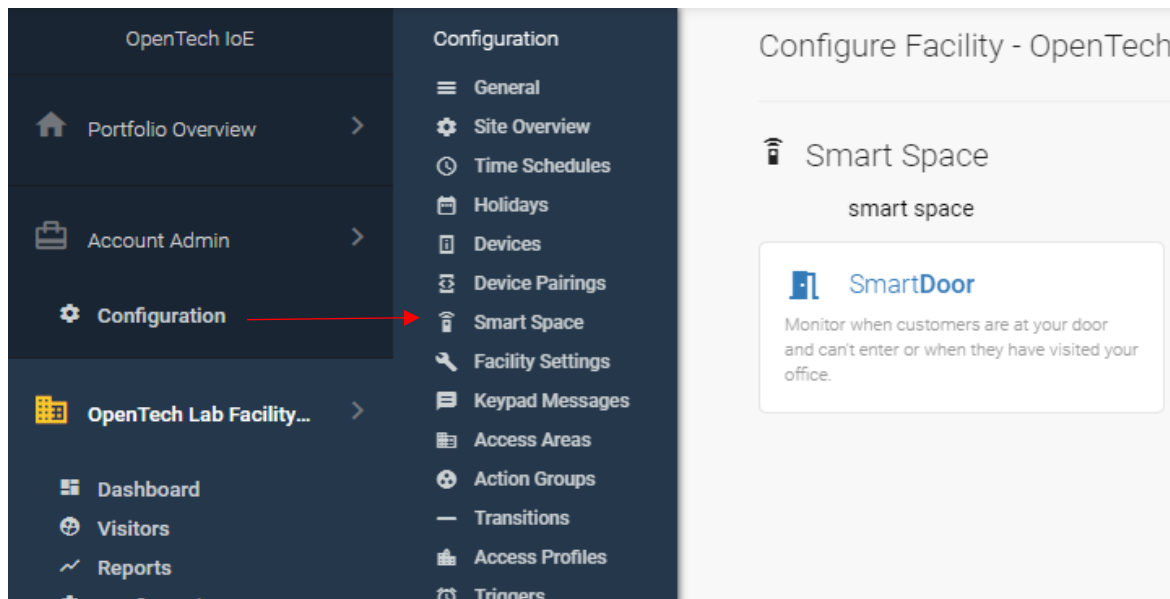
SmartDoor allows a Self-Storage operator to track and report on the following events:

- o The date and time that the office door is opened.

- o The date and time that a prospective tenant attempts to enter the office door, but does not open the office door because it is locked.

SmartDoor provides greater understanding into hourly traffic patterns at your facility and the opportunity to gain valuable actionable insights that can be used to provide a better customer experience. A locked office door could mean lost business or frustrated customers.

Access SmartDoor Configuration Tab

- • SmartDoor is configurable via the IoE Control Center. A new tab is available in the Control Center created in title of 'SmartSpace' (Facilities => Configuration => SmartSpace). The SmartSpace tab is restricted to STC Admin, Account Admin and Regional Manager Roles.

OpenTech Alliance, Inc.
www.opentechalliance.com

P: 602 749 9370
F: 602 324 8658

2501 W. Dunlap Ave., Suite 255
Phoenix, AZ 85021

2 | P a g e

- A new modal was added with title of 'SmartDoor' within the 'SmartSpace' section of the IoE Control Center to allow users to navigate to the SmartDoor List View.

- The List View displays SmartDoor(s) configured at your facility, allows a user to edit or delete a SmartDoor, as well as configure additional SmartDoors.

OpenTech Alliance, Inc.   P: 602 749 9370   2501 W. Dunlap Ave., Suite 255
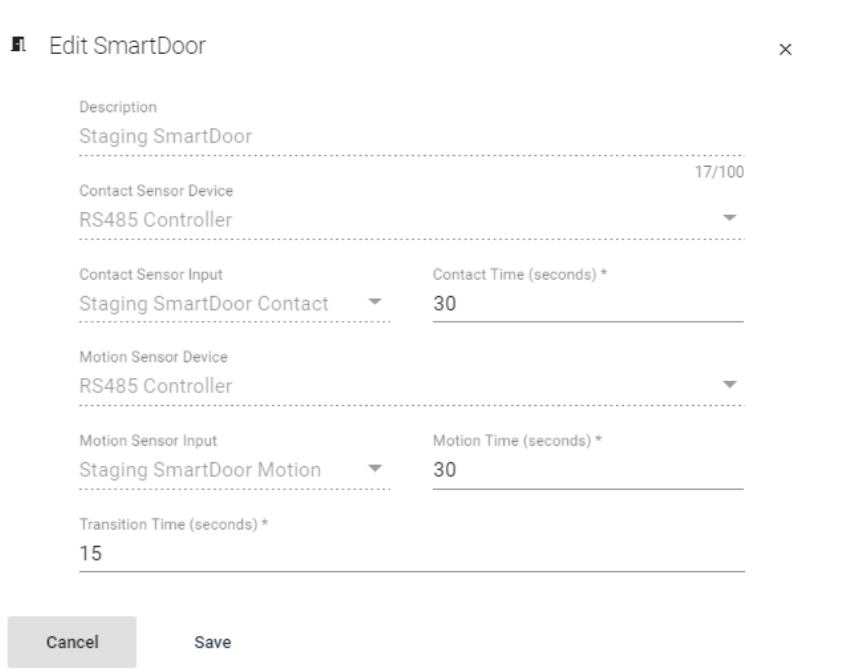www.opentechalliance.com   F: 602 324 8658   Phoenix, AZ 85021

3 | P a g e

Add SmartDoor

- Ability to Add (configure) a SmartDoor is restricted to the following roles:
    - STC Admin
    - Account Admin
    - Regional Manager
- Facilities => Configuration => SmartSpace => SmartDoor.
- Clicking on the 'Add SmartDoor' button will open up a new modal from the SmartDoor List View menu.
- The following fields are available for user input in adding a new SmartDoor:
    - Description (i.e., Office Door)
    - Contact Sensor Device
        - Drop down values
            - Keypad Device, Relay Device, Gateway.
            - Select the device that where the Contact Sensor is connected.
    - Contact Sensor Input
        - The Contact Sensor is the magnetic/switch that is installed on the office door.
        - The dropdown list includes available inputs for the Contact Sensor device selected above. If an input is being used for another SmartDoor or Barrier, then it is not available for selection.
        - Inputs that are not viable candidates for selection are grayed out and not available for selection.

OpenTech Alliance, Inc.   P: 602 749 9370   2501 W. Dunlap Ave., Suite 255
www.opentechalliance.com   F: 602 324 8658   Phoenix, AZ 85021

4 | P a g e

- The same input cannot be used for both the Contact Sensor and the Motion Sensor.
- Informational messages are displayed if an input is not available for selection.

- Contact Time (seconds)
  - Free form field for user input; default value is 15 seconds; the time is adjustable up to a maximum of 120 seconds.
  - If the system detects the change in state of the magnet/switch within this time period, then it will be ignored and not be considered as Door Opened.
- Motion Sensor Device
  - Drop down values
    - Keypad Device, Relay Device, Gateway.
    - Select the device where the Motion Detector is connected.
- Motion Sensor Input
  - The Motion Sensor is a Request to Exit (RTE) device that mounted on the outside of the door to detect when people approach the door.
  - The dropdown list includes only available inputs for Motion Sensor device selected above. If an input is being used for another SmartDoor or barrier then it is not available for selection.
  - Inputs not viable candidates for selection are grayed out and not available for selection.
  - The same input cannot be used for both the Contact Sensor and the Motion Sensor.
  - Informational message are displayed if an input is not available for selection.
- Motion Time (seconds)
  - Free form field for user input; default value is 15 seconds; the time is adjustable up to a maximum of 120 seconds.
  - If an input change from the RTE device were detected, within this time period, then it would be ignored for purposes of SmartDoor.
- Transition Time (seconds)
  - Free form field for user input; default value is 5 seconds; the time is adjustable up to 120 seconds.
  - Length of time between Motion Sensor detection and Contact Sensor detection that is identified as an office visit.
  - If the contact sensor detects the office door opening or the motion sensor detects a person approaching the door within this time period, then they would be ignored for purposes of SmartDoor.
- Selecting the Save button will automatically configure the corresponding Action Groups and Triggers.

OpenTech Alliance, Inc.
www.opentechalliance.com

P: 602 749 9370
F: 602 324 8658

2501 W. Dunlap Ave., Suite 255
Phoenix, AZ 85021

5 | P a g e

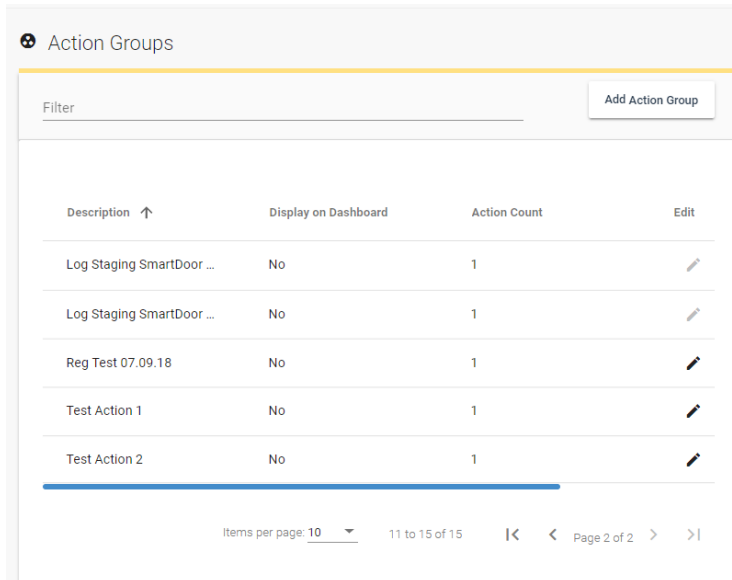# Edit SmartDoor

- Ability to Edit a SmartDoor is restricted to the following roles:
    - STC Admin
    - Account Admin
    - Regional Manager

- Once the SmartDoor has been added (configured), the only fields that can be changed are:
    - Contact Time (seconds)
    - Motion Time (seconds)
    - Transition Time (seconds)

OpenTech Alliance, Inc. P: 602 749 9370 2501 W. Dunlap Ave., Suite 255
www.opentechalliance.com F: 602 324 8658 Phoenix, AZ 85021

6 | P a g e
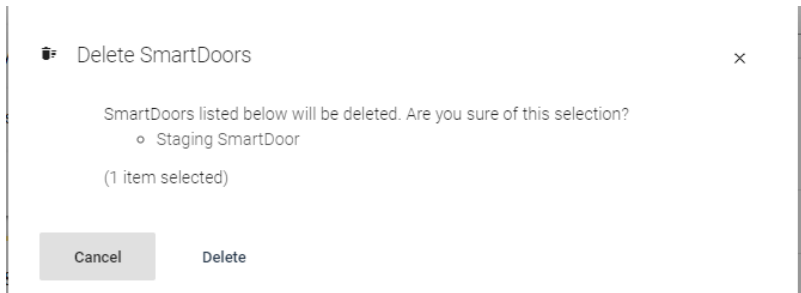
Delete SmartDoor

- Ability to Delete a SmartDoor is restricted to the following roles:
    - STC Admin
    - Account Admin
    - Regional Manager

- User is to confirm the request when deleting a SmartDoor.

- The SmartDoor Delete command also removes all components associated with the SmartDoor including Action Groups and Triggers.

OpenTech Alliance, Inc. P: 602 749 9370 2501 W. Dunlap Ave., Suite 255
www.opentechalliance.com F: 602 324 8658 Phoenix, AZ 85021

7 | P a g e

SmartDoor Action Groups

- There are two Action Groups automatically created as part of the initial SmartDoor configuration (Add SmartDoor), these Action Groups cannot be modified or deleted.

- The two Action Groups are Log + "Name of SmartDoor" + Door Motion and Log + "Name of SmartDoor" + Door Open.

- An informational message displays when the user hovers over the Edit or Delete icon (i.e., "The action group is associated with a SmartDoor").

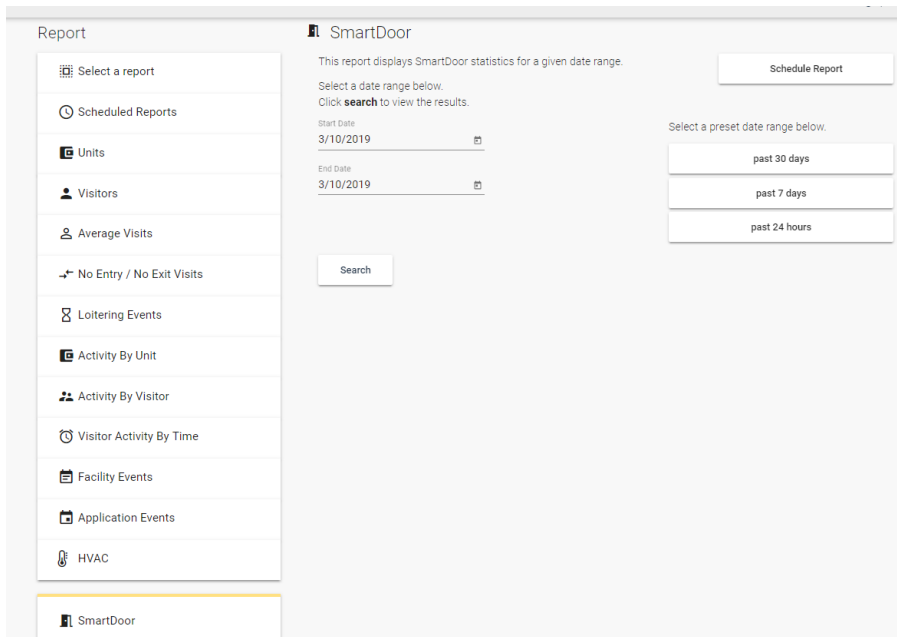OpenTech Alliance, Inc. P: 602 749 9370 2501 W. Dunlap Ave., Suite 255
www.opentechalliance.com F: 602 324 8658 Phoenix, AZ 85021

8 | P a g e

SmartDoor Triggers

- There are two Triggers automatically created as part of the initial SmartDoor configuration (i.e., Add SmartDoor), these Triggers cannot be modified or deleted.

- The two Triggers are "Name of SmartDoor" + Motion and "Name of SmartDoor" + Open.

- Once the Triggers are created as part of initial SmartDoor configuration (Add SmartDoor), they cannot be modified.

- An informational message displays when the user hovers over the edit pencil icon (i.e., "The trigger is associated with a SmartDoor").

OpenTech Alliance, Inc.   P: 602 749 9370   2501 W. Dunlap Ave., Suite 255
www.opentechalliance.com   F: 602 324 8658   Phoenix, AZ 85021
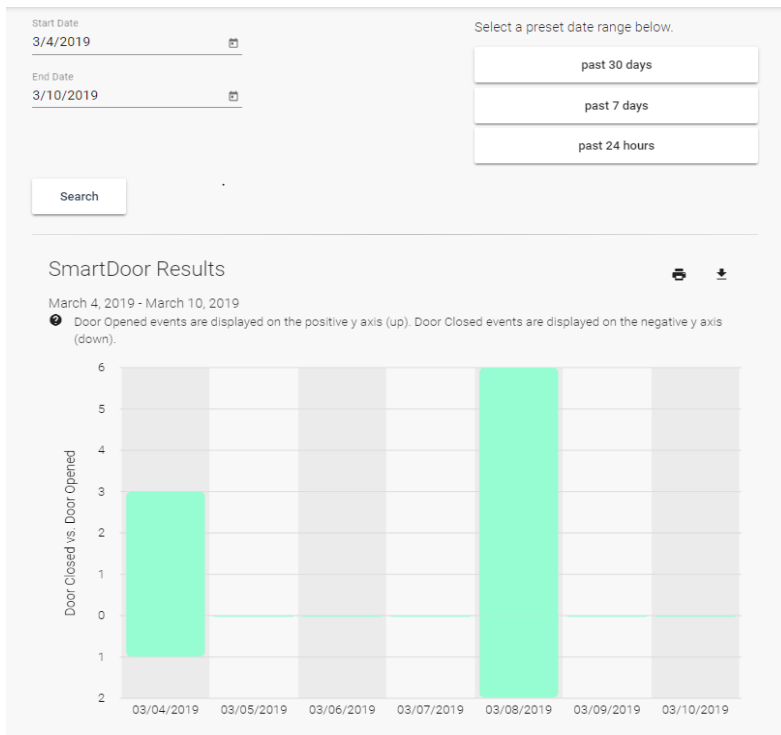
9 | P a g e

SmartDoor Reporting

- The report displays facility-level SmartDoor statistics for a specific date range and configured SmartDoor(s) for office visits and office closed events: (Facilities => Reports => SmartDoor).
- Select the date range of the report.
- The SmartDoor report can also be scheduled by selecting the Schedule Report button.
- Door open events are displayed on the positive Y axis (1 and above). These events can be interpreted as an office visit.
- Door closed events are displayed on the negative Y Axis (below 1). These events can be interpreted as a visitor could not access the office.
- SmartDoor events are aggregated and processed every five (5) minutes. SmartDoor reports will not contain events that have occurred within the past five minutes.

OpenTech Alliance, Inc.   P: 602 749 9370   2501 W. Dunlap Ave., Suite 255
www.opentechalliance.com   F: 602 324 8658   Phoenix, AZ 85021

10 | P a g e

SmartDoor Report Example

Equipment Required

- SmartDoor requires a Request to Exit (RTE) motion detector mounted on the outside of the door. The RTE motion detector should be mounted above the door facing to the outside of the building to detect people approaching the office door.

  There are multiple RTE motion detectors that are available online. We recommend the Security Door Controls MD-31D (http://www.sdcsecurity.com/Request-To-Exit-REX-PIR-Sensors.htm) which is readily available online.

- SmartDoor requires a Magnetic/Switch mounted on the office door (https://www.amazon.com/gp/product/B073SPX1J4/ref=ppx_yo_dt_b_asin_title_o00_s00?ie=UTF8&psc=1). The magnet switch is used to detect when the office door is opened.

OpenTech Alliance, Inc.   P: 602 749 9370   2501 W. Dunlap Ave., Suite 255
www.opentechalliance.com F: 602 324 8658   Phoenix, AZ 85021

11 | P a g e

SmartDoor Wiring

- Normally closed is how to wire for both motion and contact.

- Type of wire recommended is 18 gauge / 4 conductor.

SmartDoor Wiring Diagram

OpenTech Alliance, Inc.   P: 602 749 9370   2501 W. Dunlap Ave., Suite 255
www.opentechalliance.com   F: 602 324 8658   Phoenix, AZ 85021

12 | P a g e
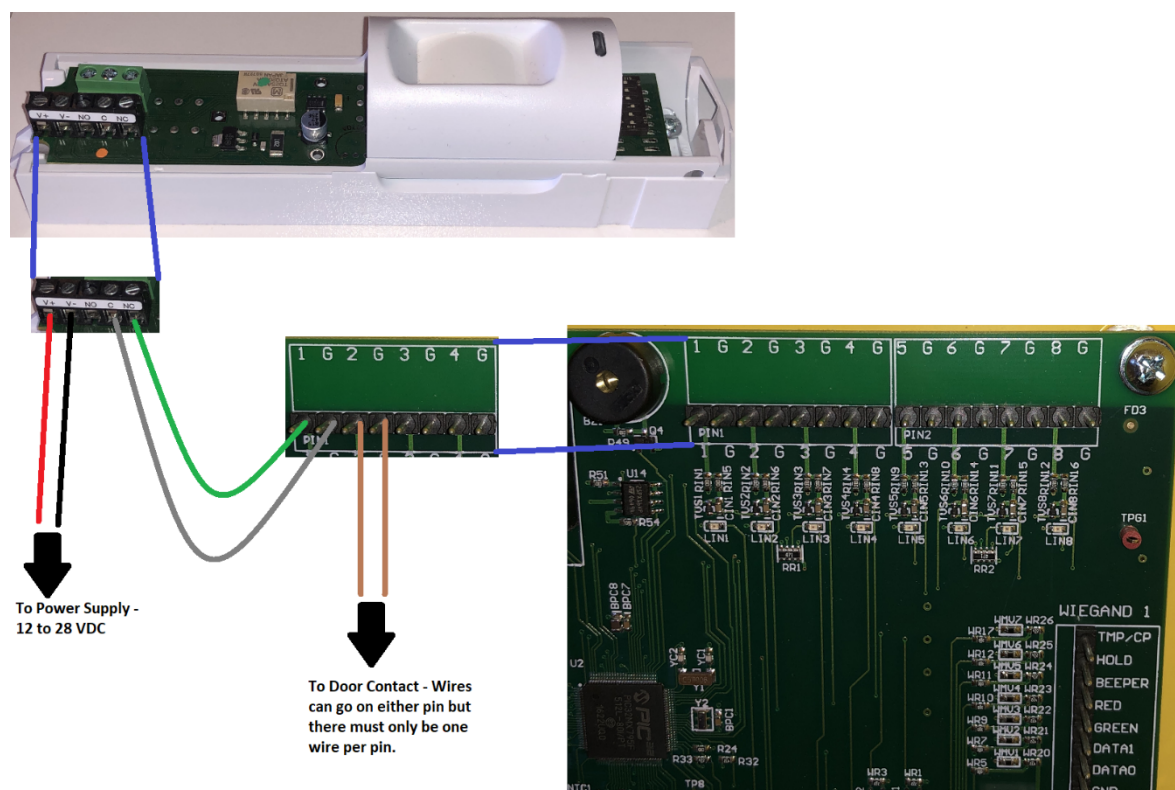
SmartDoor Support

- The OpenTech IoE / CIA team is available to address any questions you may:

  - (602) 773-1700 (Option 1) **or**

  - via email at ioesupport@opentechalliance.com.

OpenTech Alliance, Inc.   P: 602 749 9370   2501 W. Dunlap Ave., Suite 255
www.opentechalliance.com   F: 602 324 8658   Phoenix, AZ 85021

13 | P a g e