PIXIE Dual Relay Control and Configuration of 3-wire sensors.

Making Dumb Sensors Smart

How to Document

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The PIXIE Dual Relay controller is a versatile smart component of the PIXIE smart home system.

This guide will guide you through step by step how to use the PIXIE Dual Relay controller with any 3 wire sensor, to make these dumb sensors smart with voice control*, App control, schedule control and manual control of the sensors operation.

This guide will help you to:

1.   Schedule your lights to operate in Override Mode – that is, the lights are on, no matter what the sensor is doing.
2.   How to return your lights back to Sensor Auto Mode
3.   How to easily turn these on manually from the App.
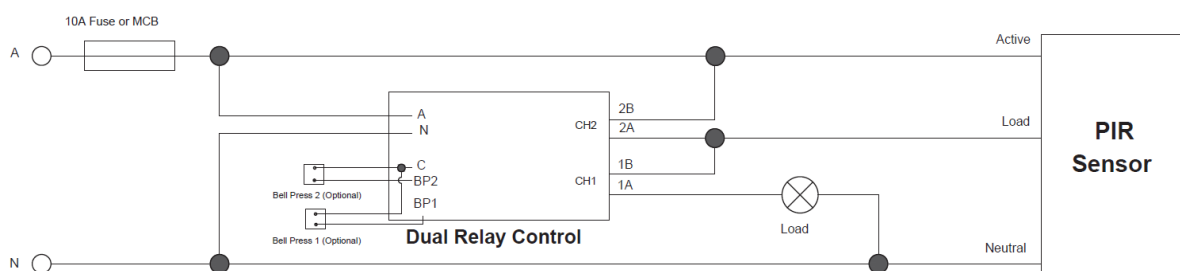
The Steps we are going to take:

Step 1: Create our 3 required scenes
Step 2: Schedule these scenes
Step 3: Learn the fastest way to operate these scenes

The Device

The Dual relay controller has 2 relays.

When connected as per the wiring diagram this provides the ability to:
-      Have the sensor operate in Auto Mode – the sensor does what it does automatically
-      Override the sensor – that is turn the lights on and ignore the sensor
-      Disable the sensor

[Download a high quality version here](#)

Scenes are the key

These 3 different modes are activated by creating scenes

You create 1 scene for each mode.

Scene 1 – Sensor Auto
Scene 2 – Sensor Override
Scene 3 – Sensor Disabled

Scene are created in the SCENES section of the PIXIE PLUS APP

So before we can schedule anything or control anything we need to create the Scenes.
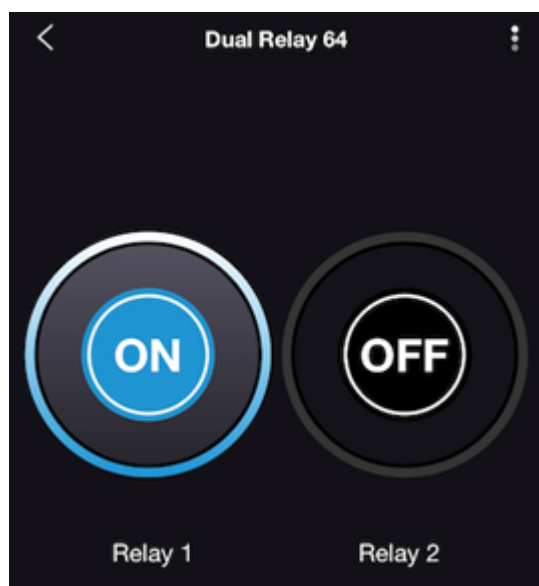
Scene Creation

Step 1: Select the Scene button from the tool bar at the bottom of the PIXIE PLUS App screen

Step 2: Press the 3 little dots in the top right hand corner – a menu will open select + Add

Step 3: Name your scene and select and ICON (of your choice) – Your scene name should be 'Sensor Auto' – to create the first scene

Step 4: Now, from the list of products below, scroll through and find your Dual Relay Controller – and check the check box next to the device This will open the configuration screen automatically

Step 5: Set your relays as per this picture for Sensor Auto

Step 6: Click next at the bottom of the page

Step 7: Click Save at the bottom of the page.

You will be taken back to the SCENES page and your new scene will be visible.

Click it to activate it as a test.

This will make your sensor operate in normal AUTO mode – remember some sensors also have a 'sunset switch' so they will not operate during the day when there is sufficient light.

So you may not notice anything happen. If you have access and are able, it is a good idea to set the sensor to walk test or test mode when setting this up. Most sensors have a rotary pot/dial on the sensor which allows this.

Just remember to set it back to it normal time-out when you are finished setting it all up in PIXIE.

As the sensor is operating in AUTO mode, PIXIE has no influence over its operation in this mode.

IMPORTANT

Remember that scenes RECALL a state.
They do NOT 'toggle' between states.
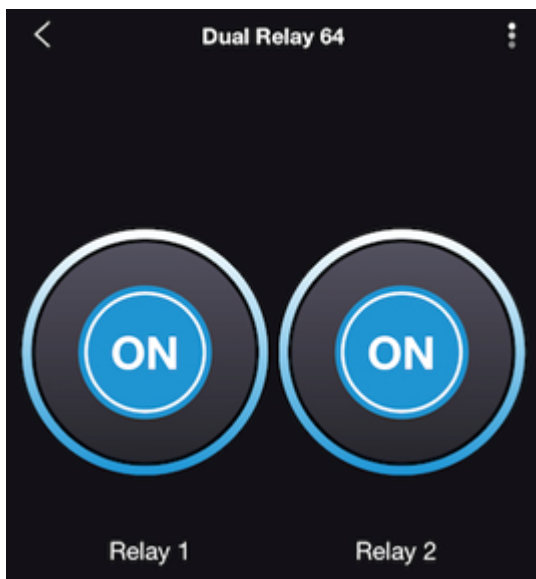
-        That is, when you activate a scene PIXIE devices recall that scene
-        Pressing the Scene button again recalls the same scene
-        So, if you have just recalled a scene and then you press the scene button again – it will feel like nothing happened because the exact same request has been made.
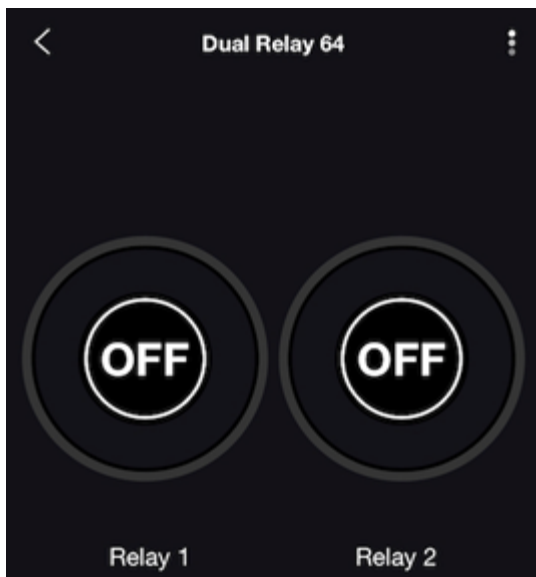
NEXT …
So now you need to follow the process above to create the other 2 scenes BEFORE we schedule.

When you reach Step 5 for each scene just use the setting as per below and SAVE each scene.

Sensor Override Scene

Sensor Disabled Scene

Lets Schedule it

This will schedule your lights to come on AND to return to sensor mode

Step 1: From the home screen select the "more" option from the bottom right toolbar

Step 2: On the next screen select schedules

Step 3: Press the 3 little dots in the top right hand corner and select + Add

Step 4: From the TOP toolbar, select the SCENE Tab

Step 5; Scroll down the list and find your Sensor Override scene, press the little circle next to its name and the press next at the bottom of the page

Step 6: Select the days and time you would like this Sensor Override scene to operate Press Save when you are happy with your selection

Now we need to set the Sensor Auto mode, so the sensor is returned to Auto mode when you need it to be.

-       Step 1: From the same schedules scene, Press the 3 little dots in the top right hand corner and select + Add

-       Step 2: From the TOP tool bar, select the SCENE Tab

-       Step 3: Scroll down the list and find your Sensor Auto scene, press the little circle next to its name and the press next at the bottom of the page

-       Step 4: Select the days and time you would like this Sensor Override scene to operate. Press Save when you are happy with your selection

That's it you're done.

Now your PIXIE system will automatically recall those scene at the times you have scheduled.

Manual Operation

The fastest way for you to operate this manually from the App is to use scenes

In fact you can FAVOURITE these scenes so they appear on the PIXIE PLUS App home Page or you can simply navigate to your SCENEs section and press the relevant scene button

To make these scene favourites

Step 1: Navigate to the Scene section

Step 2: Press the 3 little dots in the top right hand corner and select + Edit

Step 3: Tap the STAR icon under those Scene you wish to have as favourites

Note, you can only have 4 scenes as favourites, so if you want to have these sensor scenes as favourites you would have to un-star other scenes.

Step 4: When completed starring everything press done in the top right hand corner.

When you return the home page you sensor scene you starred will now be available atop the screen

Even faster access

PIXIE PLUS uses widgets.

Widgets are part of your mobile OS and allows parts of PIXIE – like Scenes – to be controlled without having to open the App.

Instead you use the Widget you create on your device.

Online Resources

PIXIE PLUS Consumer website
www.pixieplus.com.au

PIXIE Instagram
https://www.instagram.com/salpixie/

PIXIE Facebook
https://www.facebook.com/SALPixie

PIXIE Technical Support Group
https://www.facebook.com/groups/pixietech

PIXIE Smart Home Blog
https://pixiepartners.com.au/australian-smart-home-blog/

Online PIXIE Certified Installer Training
https://training.pixiepartners.com.au