How do I configure an input tied to a pushbutton to unlock a door?

Last Modified on 10/06/2022 4:16 am EDT

How to configure a button to unlock a door

Procedure Steps

Follow the steps below to configure a button to unlock a door.

Note: This article assumes that the Request to Exit (REX) input is already in use and cannot be used for this purpose. If the REX input is not in use, this is the recommended method for unlocking the door and does not require any additional software programming of local I/O.

1) In System Administration, from the **Access Control** menu, select **Readers**.

2) Select the reader you are configuring, and click the **Aux Inputs** tab.

    a) Click [Modify] to configure one of the auxiliary inputs.

    b) Enter a descriptive name for the input according to function.

    c) Select the **Supervision** from the drop-down. This value is normally set to "Not Supervised/Normally Open".

    d) Click [OK] to save the changes.

3) From the **Access Control** menu, select **Local I/O**.

    a) Click [Add] to create a new local I/O.

    b) Enter a descriptive **Name** for the I/O according to function

    c) Select the **Access Panel** to which the reader is attached from the drop-down.

    d) Set the **Function** drop-down to "Reader Unlock/Set Mode".

    e) The **Argument 1** drop-down should be set to the reader whose auxiliary input was configured in step 1.

    f) The **Argument 2** drop-down should be set to "Locked".
Note: Argument 2 is not actually used in this configuration, but must be set to a value in order to save the local I/O.

    g) Click [OK] to save the local I/O.

4) Select the Device > Function Links tab

    a) Select the **Access Panel** to which the reader is attached from the drop-down.

    b) Select the reader in the Devices listing window, then select the local I/O function list created in step 3 from the Function List listing window.

    c) Select the [Link] button that is now available.

5) The Link Reader window is displayed.

    a) Select the reader auxiliary input as the **Logical Event**.

    b) Set all state actions to "Do Nothing" except for **Alarm**, which will be set to "Pulse".

    c) Click [OK] to save the device/function link.

The button should now be operational to unlock the door when activated.

Applies To

OnGuard (All versions)

Additional Information

None