Module Information:

**Name:** RBI PC Equip v5b

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**Summary:** This module uses an embedded control cross-point, as well as an embedded photocell module to control a single photocell. It works in tandem with the RBI PC Equipment module, and the RBI Single Zone Control module.

Inputs/Outputs/Parameters:

Inputs:

|  |  |
| --- | --- |
| sensor\_in | The value of this zone’s photocell. |
| temp\_raise\_level | Pulse to temporarily raise this zone up, if currently harvesting. |
| temp\_lower\_level | Pulse to temporarily lower this zone down, if currently harvesting. |
| recall\_auto\_level | Pulse to turn this zone and go to its harvested level. |
| recall\_auto\_level\_response | Pulse to turn this zone and go to its harvested level, using the modules response time. |
| disable | Pulse to disable daylight harvesting. |
| disable\_and\_off | Pulse to disable daylight harvesting and shut the zone off. |
| harvest\_enable | Pulse to enable harvesting. |
| harvest\_disable | Pulse to disable harvesting. |
| zone\_on/off | Pulse to toggle the zone on/off. This input will be ignored if harvest\_enable is low. |
| [keypad\_on] | Pulse to turn the zone on. This input will be ignored if harvest\_enable is low. This signal name should be the same as [keypad\_on] on the single zone control module for this zone. |
| [keypad\_off] | Pulse to turn the zone off. This input will be ignored if harvest\_enable is low. This signal name should be the same as [keypad\_off] on the single zone control module for this zone. |
| [keypad\_on/off] | Pulse to toggle the zone on/off. This input will be ignored if harvest\_enable is low. This signal name should be the same as [keypad\_on/off] on the single zone control module for this zone. |
| [keypad\_raise] | Pulse to ramp this zone up. This input will be ignored if harvest\_enable is low. This signal name should be the same as [keypad\_raise] on the single zone control module for this zone. |
| [keypad\_lower] | Pulse to ramp this zone down. This input will be ignored if harvest\_enable is low. This signal name should be the same as [keypad\_lower] on the single zone control module for this zone. |
| room\_raise\_all | Push to raise this zone along with the rest of the zones in its room. This input will be ignored if harvest\_enable is low. This signal name should be the same as room\_raise\_all on the single zone control module for this zone. |
| room\_lower\_all | Push to lower this zone along with the rest of the zones in its room. This input will be ignored if harvest\_enable is low. This signal name should be the same as room\_lower\_all on the single zone control module for this zone. |
| [fusion\_offline\_fb] | If using Fusion, this should be tied to the offline device extender of the Fusion EISC. |

Outputs:

|  |  |
| --- | --- |
| PC\_Name$ | The friendly name of this zone, as found in the single zone control XML file. To be used for display on the photocells page of the GUI. |
| [dali\_FB] | Indicates that this is a DALI zone, and the DALI version of the embedded photocell module will be used. |
| dim\_level | This should be tied to the dimming module for this zone. |
| PC\_harvesting\_fb | Indicates that this zone is currently harvesting. |
| [PC\_not\_harvesting\_fb] | Indicates that this zone is not currently harvesting. |
| [dali\_raise\_level] | For DALI zones, this should be tied to the group raise digital for this zone. |
| [dali\_lower\_level] | For DALI zones, this should be tied to the group lower digital for this zone. |
| [dali\_off] | For DALI zones, this should be tied to the group off digital for this zone. |
| [dali\_dim\_level\_sampled] | For DALI zones, this should be tied to the group analog level in. |
| harvest\_enable\_fb | Indicates that harvesting is enabled for this zone. |
| [harvest\_disable\_fb] | Indicates that harvesting has been disabled for this zone. |
| [lol\_level\_fusion] | A sampled version of sensor\_in that can be sent to Fusion in order to limit the number of updated values that will be stored in Fusion’s database. |

Parameters:

|  |  |
| --- | --- |
| equip\_ID | The crosspoint Equipment ID for this zone. |
| zone\_ID | The ID of this zone in the XML file associated with the single zone control module. |
| recall\_fade\_time | The time (in seconds) that it will take for this zone to turn on. (non-DALI only) |
| ramp\_time | The time (in seconds) that it will take for the zone to temporarily raise or lower to it maximum or minimum levels. (non-DALI only) |
| off\_fade\_time | The time (in seconds) that it will take for this zone to turn off. (non-DALI only) |
| dali\_sample\_rate | The rate used to sample the level for [dali\_dim\_level\_sampled]. |