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APPLICATION NOTE

SHARING INTELLIGENT SOLUTIONS

KEY WORDS:

Title:	PIR Disable Parameter
Products Applicable:	5753PEIRL, 5750WPL, 5751L, 5753L

This application note is designed to show how a PIR and a key on an input unit can be configured to achieve a specific override function.

Scenario: - When the button on the input unit is off, then the PIR will detect any movement and turn on the respective load if movement is detected. Once the PIR has timed out, the respective load will turn off. However, if the button on the input unit is used to turn the group on, it will disable the function of the PIR. This will allow the load to operate direct from the button on the input unit, as if the PIR was not in operation.

Application: - In a garage where you may only want the lights to be on for a short period of time in response to the detection of movement. However, you may also want the function of turning the light on for an unspecified amount of time.

Limitations: -

- The PIR will always be enabled when the light is off.
- When the light is turned on by the switch the PIR will be disabled and the timing functions that are programmed will not work.
- If the PIR turns the light on this will not disable the PIR and the timing functions of the PIR will still work
- If the key switch is operated while the timing function is operating within the PIR this will override the PIR and turn off the group.

Programming Configuration

To begin to program C-Bus for this application, open the GUI for the PIR. The GUI should look similar to the one below.

Configure the PIR as shown, by programming the C-Bus Load into the PIR. Also make sure that the same Group Address is programmed into the Sensor Enable/Disable parameter and the Disable option is selected. Save the configuration and exit the GUI.

Day-time Movement (LI)
Group: Light 1 Function: PIR Day Move

Night-time Movement (DA)
Group: Light 1 Function: PIR Night Move
☒ Use same response settings as 'Day-time Movement'

Sunset to Sunrise (SS)
Group: <Unused> Function: PIR Sunset

Security (SE)
Group: <Unused> Function: PIR Security

Sensor Enable/Disable
Group: Light 1 ☐ Enables ☒ Disables

Block Assignments	Recall Levels	Timer	Features using Block	LED Assignment					
Group	Recall 1	Recall 2	Timer 1	Expiry	LI	DA	SS	SE	1
Block 1 <Unused>	100%	100%	0h0m0s	Off Key	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Block 2 Light 1	100%	100%	0h0m15s	Off Key	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	State/Time
Block 3 <Unused>	100%	100%	0h5m0s	Off Key	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Block 4 <Unused>	100%	100%	0h0m0s	Idle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Simple << OK Cancel Apply

Open the GUI for a C-Bus input unit. Program the button with the same Group Address that is used in the Sensor Enable/Disable parameter. Save and exit the GUI, and the configuration is complete.

Key 1 Group
Group: Light 1 Function: On/Off

Advanced >> OK Cancel Apply

Technical Support and Troubleshooting

For technical assistance call: 1300 722 247 (Australia)
0800 888 219 (New Zealand)

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