

5.17.3 Device details IO-Box

The **General** tab of the **Device Details** window for IO-Boxes allows the IO-Box's position to be entered and the position on the floor plan and the device's address are shown. Additionally the current status of the mains supply and the switching status of the three outputs (K1-K3) and the two inputs (E1, E2) are displayed with the same colours as those of the indicators on the IO-Box.

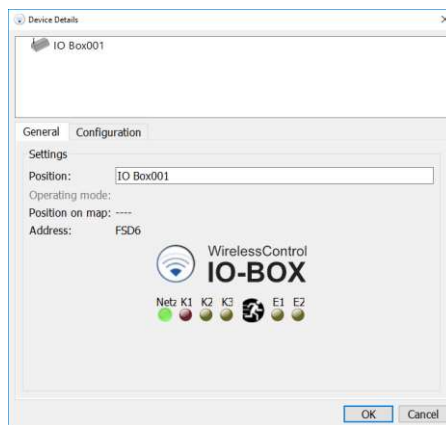


Figure 89: device details IO Box, General tab

The inputs and outputs can be configured on the **Configuration** tab of the **Device Details** window for IO-Boxes.

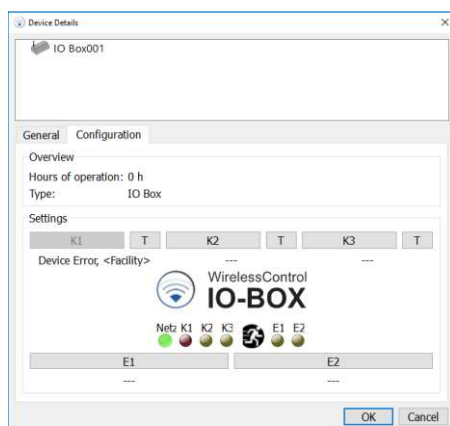


Figure 90: device details IO box, Configuration tab

Select the buttons **K2** or **K3** on the **Configuration** tab to set up the IO-Box's outputs 2 or 3. Figure 90 shows the **Configure IO Box Output** window. The **Output State** section of the window facilitates the selection of the event that triggers the output relay. Table 31 explains the events the user can select from. The **Groups applying** section allows groups to be selected in which the selected event must occur in order to trigger the output. If one of the events **Energy Save / Activate**, **Fire Alarm** or **Disabled** is chosen, the **Groups applying** section is inactive, because these events always affect the entire system.

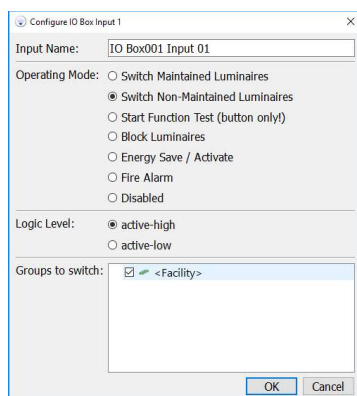


Figure 91: Configure IO Box Output window

Event	Function
Test Running	Output is closed while a test is running
Last Test Failed	Output is closed if the last test was finished with errors
Maintained Luminaires switched	Output is closed if at least one maintained emergency luminaire is turned off
Non-Maintained Luminaires switched	Output is closed if at least one non-maintained emergency luminaire is turned on
Luminaires Blocked	Output is closed if at least one emergency luminaire is in remote inhibiting mode
Energy Save / Activate	Output is closed if all switchable emergency luminaires are turned off
Fire Alarm	Output is closed in case of a fire alarm at the corresponding IO-Box input
Disabled	Output is disabled

Table 31: events that trigger the IO-Box's outputs

Output 1 (K1) always switches on the event **Device Error** and cannot be configured. The relay of output 1 drops out whenever a device reports an error. If the wireless connection between the IO-Box and the automatic test system is broken, the relay of output 1 is delayed by the time span **Time to connection error for IO boxes**. The time span **Time to connection error for IO boxes** can be set on the **Installation/System** tab (section 5.12.5).

Using the **T**-buttons in the configuration tab, the output relays can be checked. The **T**-buttons are used to switch the relays of the corresponding outputs. Once the configuration tab is exited, the K1-K3 output relays return to switching status corresponding to the configuration of the respective output.

Select the buttons **E1** or **E2** on the **Configuration** tab to set up the IO-Box's input 1 or 2. Figure 92 shows the **Configure IO Box Input** window. In the **Input Name** field a name can be assigned. In the **Operating Mode** section, the action that is triggered by the input signal can be selected. Table 32 explains the actions in the **Operating Mode** section. The **Logic Level** section allows selection of whether the action is triggered by a high level (active-high) or a low level (active-low) at the input. In the **Groups to switch** section, the groups in which the selected action should be performed on can be chosen. If one of the actions **Energy Save / Activate**, **Fire Alarm** or **Disabled** is chosen, the **Groups to switch** section is inactive, because these events always affect the entire system.

Kommentiert [9]:

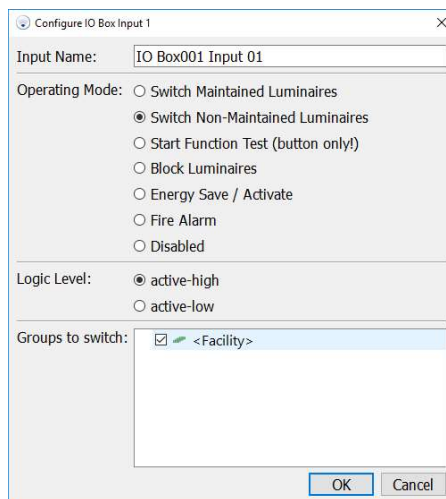


Figure 92: Configure IO Box Input window