The WIO100 Input/Outputs module is one of the removable communication modules that can be installed on the W panel.

The WIO100 module has one programmable input and two programmable outputs.

With this module, the W panel can be connected to wired devices such as:

- Panic buttons, temperature sensors, safety light curtains, wired door contacts, glassbreak, shock, flooding or gas detectors (wired input).
- Flashing lights, spotlights, smoke equipment, light or sound indicator (wired output).

The programmable input can be configured as normally open (NO) or normally closed (NC), it can also be supervised in order to detect cable tampers.

With the Mapping, the programmable input can be set up to take a 10 second video from any Videofied® Motion Viewer™ when the detector linked to the programmable input is triggered.

The programmable input can also be wired to an existing alarm system in order to add video-vérification. That mode is called XTENDER mode.

Programmable outputs are normally open drys contacts that close when the output is activated.

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1. Programmable input

The programmable input is triggered by a dry contact connected to its terminals switches.

1.1 Programmable input menu

Sets if and how the input is armed
- **Enabled**: 24h active input (example: panic button).
- **Disabled**: Disabled input.
- **Only if armed**: Input disabled when the panel is disarmed.

Alarm: the event is transmitted upon input triggering
Alarm / End: the event is transmitted upon input triggering and on event restoral.

Normally Open: Short circuit will trigger the input.
Normally closed: Open circuit will trigger the input.

**Type of event assigned to the input** (intrusion, smoke detection, tamper, assistance detection, etc...).
You can find the event list on the next page.

Entry delay in seconds between the input triggering and the alarm triggering/event transmission.
0-3600 seconds.

Input Name. This name can be seen by the monitoring center when the input triggers. Choose a detailed name.

Siren type for the programmable input
- Siren: the siren will be enabled and the keypad will beep.
- Silent: no siren, no beeps.
- Without siren: only the keypad beeps.

Links a Videofied® MotionViewer to the input.
When the input triggers, the linked camera will record a video and transmit it to the security server.

Generates a welcome ring on the keypad and indoor siren when the input is triggered. For more information, please refer to the Chime Application Note.

**SC & OC Superv.** : Enables the programmable input supervision (open and short circuit).
**Transmission**: Type of transmission sent to the security server (Alarm, Alarm/End and Not transmitted).
1.2 Types d’événements

<table>
<thead>
<tr>
<th>INTRUSION</th>
<th>TAMPER</th>
<th>PANIC BUTTON</th>
<th>INCORRECT CODE</th>
<th>DURESS CODE 1</th>
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<td>DURESS CODE 2</td>
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<td></td>
<td>SUPERVISION</td>
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<td>AC POWER MISS</td>
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<td>PANEL RESET</td>
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<td>SYSTEM DISARMED</td>
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<td>PERIODIC TEST</td>
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<td></td>
<td>ALARM CANCEL</td>
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<td></td>
<td>SMOKE DETECTION</td>
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<td></td>
<td>PHONLINE MISS.</td>
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<td>TMT REQUEST</td>
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<td></td>
<td>MEDICAL ASSIST.</td>
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<td>ETHERNET CABLE</td>
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<td></td>
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<td>DETECTION</td>
</tr>
</tbody>
</table>

The programmable input can be assigned to different event types according to the source of the linked device triggering.

The security server will receive this event when the programmable input triggers.

**Important:**

These events are different from the events transmitted list in the FRONTEL SECURITY PARAMETERS menu. They will be sent no matter how the events listed in the EVENT TRANS. MODIFICATION are set.

1.3 Programmable input wiring and supervision

**Programmable input wiring**

Connect two 4,7kΩ resistors (provided) as shown in the above scheme.

**Programmable input supervision**
1.4 XTENDER mode

The Videofied® W panel can be used as a standalone alarm system.
When fitted with the WIO100 input/outputs module, it can also be wired to an existing alarm system with a programmable dry contact.

When used in XTENDER mode, the W panel can only be armed when the programmed condition for arming is met.
For example, if the XTENDER input type parameter is set as normally open, the system will arm when the circuit is closed.

Opening the circuit will disarm the panel.

When used in XTENDER mode, arming devices (keypads, keyfobs, badge readers) cannot arm or disarm the system.

To switch between standalone mode and XTENDER mode, go to the menu:
CONFIGURATION (Lvl 4) > GENERAL PARAMETERS > XTENDER

Note:

Enabling the programmable input will automatically disable the XTENDER mode and switch the W panel in standalone mode. In the same manner, enabling the XTENDER mode will automatically disable the programmable input.
1.5 XTENDER Mode configuration

When a WIO100 Input/outputs module is fitted on the W panel, the XTENDER mode can be configured either during initial configuration, or in the GENERAL PARAMETERS menu.

- **During initial configuration**, the ARMING PROFILE screen will appear. Choose FROM THE HOST instead of STANDALONE to access the XTENDER mode configuration menu.
- Access the configuration menu from the GENERAL PARAMETERS menu:
  - CONFIGURATION (Lvl 4) > GENERAL PARAMETERS > XTENDER

**ARMING PROFILE : FROM THE HOST**

**ENTRY DELAY**

**TRANSMISSION DELAY**

**ARMING CONFIRMATION**

**MODE SLOW** : The panel will arm each device one at a time saving battery life. This mode is recommended.

**MODE FAST** : The panel will arm all devices at the same time. This mode increases significantly the battery consumption.

Press **OK** or **YES** to select the parameter.

Enter the value for your Entry Delay up to 255 seconds and press **OK** or **YES**.

*Note : In From the Host mode, the entry/exit delay are managed by the master system.*

Enter the value you would like for the Transmission Delay and press **OK** or **YES**.

The transmission delay value set the delay between the detection of an event and its transmission to the monitoring center.

Except when specifically required, please enter 0.

Arming Confirmation is the number of seconds the system will wait to arm after voltage is latched on the arming input. This feature can be used as an exit delay, we suggest you to enter the same value as your master system exit delay.

Enter the value you would like for the Arming Confirmation and press **OK** or **YES**.
2. Programmable outputs

The WIO100 programmable output is a dry contact triggering a wired external device. These outputs can only be wired to SELV circuits. The voltage and current are limited to 24V/100mA.

Programmable outputs OUT 1 and OUT 2 can be triggered by:

- An event linked to the panel or its devices.
- The triggering of the programmable input or the arming input.

2.1 Programmable outputs triggering

You can find below the list of events that can trigger a programmable output.

<table>
<thead>
<tr>
<th>INTRUSION</th>
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<tr>
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<td>ETHERNET CABLE</td>
<td>DETECTION</td>
</tr>
<tr>
<td>PROG. INPUT 1</td>
<td></td>
</tr>
</tbody>
</table>
2.2 Access to programmable outputs menu

2.3 Programmable outputs menu

Enable the output.

Output activation duration. The output cannot be constantly active. 0-900 seconds

Remote activation authorization. Allows the monitoring center to enable the programmable output in case of alarm.

Type of event assigned to the input (intrusion, smoke detection, tamper, assistance, detection, etc...). When the event occurs, the output will activate.

Output name. In order to recognize which system is connected to the output, choose a detailed name.