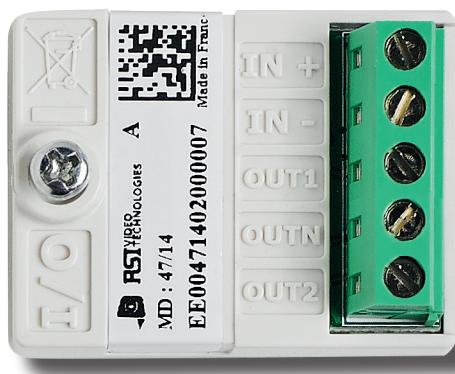




The WIO100 Input/Outputs module is one of the optional communication modules that can be installed on the W panel.



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 tamper.

With the Mapping feature, 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-verification. This mode is called XTENDER mode.

Programmable outputs are dry contacts connected to the ground that close when the output is activated.

## Index

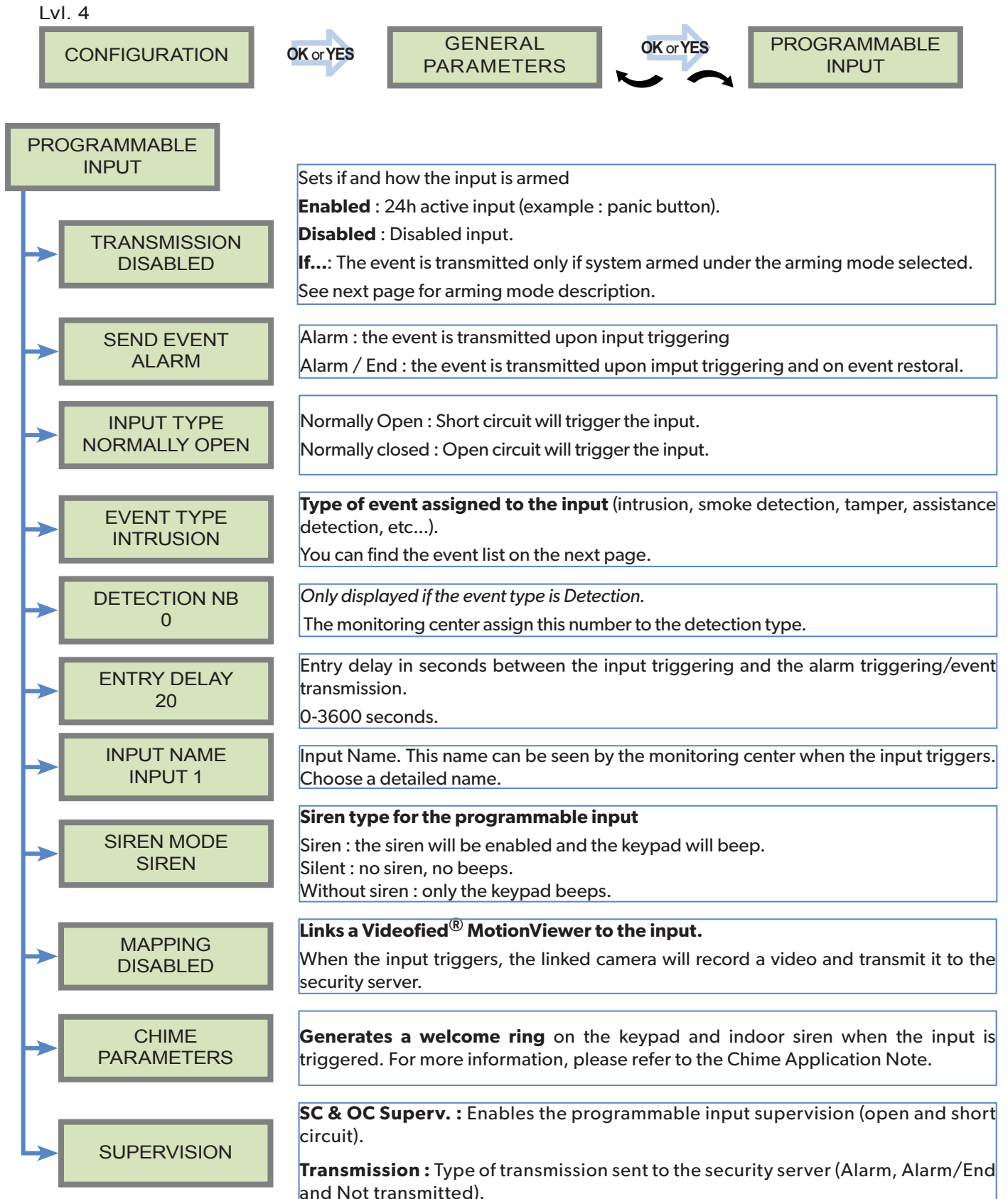
<b>1. Programmable input</b>	<b>2</b>
1.1 Programmable input menu	2
1.2 Arming modes	3
1.2 Event type	3
1.3 Programmable input wiring and supervision	3
1.4 XTENDER Mode	4
1.5 XTENDER Mode configuration	5
<b>2. Programmable outputs</b>	<b>6</b>
2.1 Programmable outputs triggering	6
2.2 Access to programmable outputs menu	7
2.3 Programmable outputs menu	7



## 1. Programmable input

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

### 1.1 Programmable input menu



# INPUT/OUTPUT MODULE **WIO 100**

## 1.2 Arming modes

- IF FULLY ARMED : Input is active while the panel is fully armed
- ONLY IF ARMED: Input is active while the panel is armed, whatever arming mode
- ONLY IF ARMD SP1 : Input is active while the panel is armed with SP1
- ONLY IF ARMD SP2 : Input is active while the panel is armed with SP2
- IF FULL OR SP1 : Input is active while the panel is fully armed or with SP1
- IF FULL OR SP2 : Input is active while the panel is fully armed or with SP2

## 1.2 Event type

<b>INTRUSION</b>	Intrusion detector triggered.
<b>TAMPER</b>	Damage, cover or back tamper.
<b>PANIC BUTTON</b>	Panic button assistance.
<b>INCORRECT CODE</b>	5 wrong codes/badges.
<b>DURESS CODE 1</b>	Duress code 1.
<b>DURESS CODE 2</b>	Duress code 2.
<b>SUPERVISION</b>	Supervision default.
<b>RADIO JAMMING</b>	Radio jamming.
<b>LOW PANEL BATT.</b>	Panel low battery default.
<b>LOW DEVICE BATT.</b>	Défaut pile sur un périphérique.
<b>AC POWER MISS</b>	Perte secteur sur la centrale.
<b>PANEL RESET</b>	Panel reset.
<b>SYSTEM ARMED</b>	System arming.
<b>SYSTEM DISARMED</b>	System disarming.
<b>PERIODIC TEST</b>	Periodic test.
<b>ALARM CANCEL</b>	Alarm canceled via keypad.
<b>SMOKE DETECTION</b>	Smoke detection.
<b>PHONELINE MISS.</b>	Loss of phone line.
<b>TMT REQUEST</b>	Remote maintenance request.
<b>MEDICAL ASSIST.</b>	Medical assistance.
<b>ETHERNET CABLE</b>	Loss of Ethernet connection.
<b>DETECTION</b>	Specific event detection.

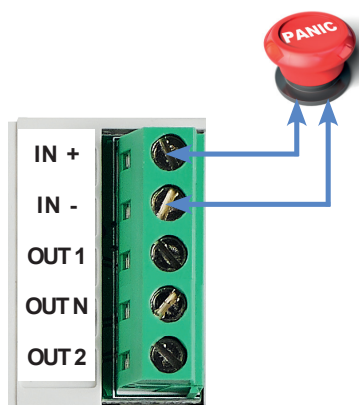
The programmable input can be assigned to different event types according to the source of the linked device triggering.  
 The security server will receive this event when the programmable input triggers.

**Important :**

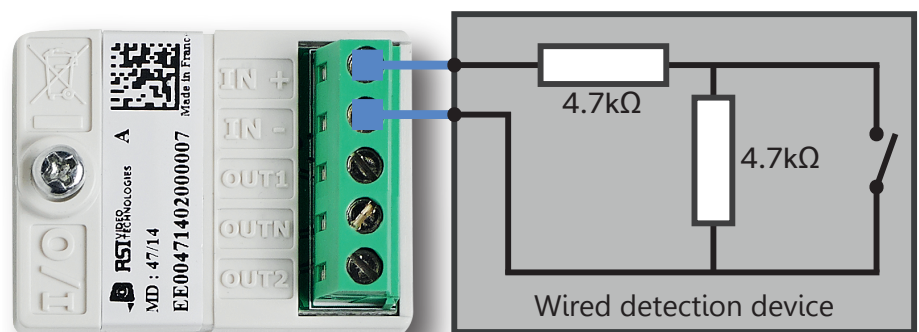
*These events are different from the events transmitted list in the CONFIGURATION MONITOR.STATION PARAMETERS menu. They will be sent no matter how the events listed in the EVENT TRANS. MODIFICATION are set.*

## 1.3 Programmable input wiring and supervision

Programmable Input connection



Programmable Input supervision



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

## 1.4 XTENDER mode

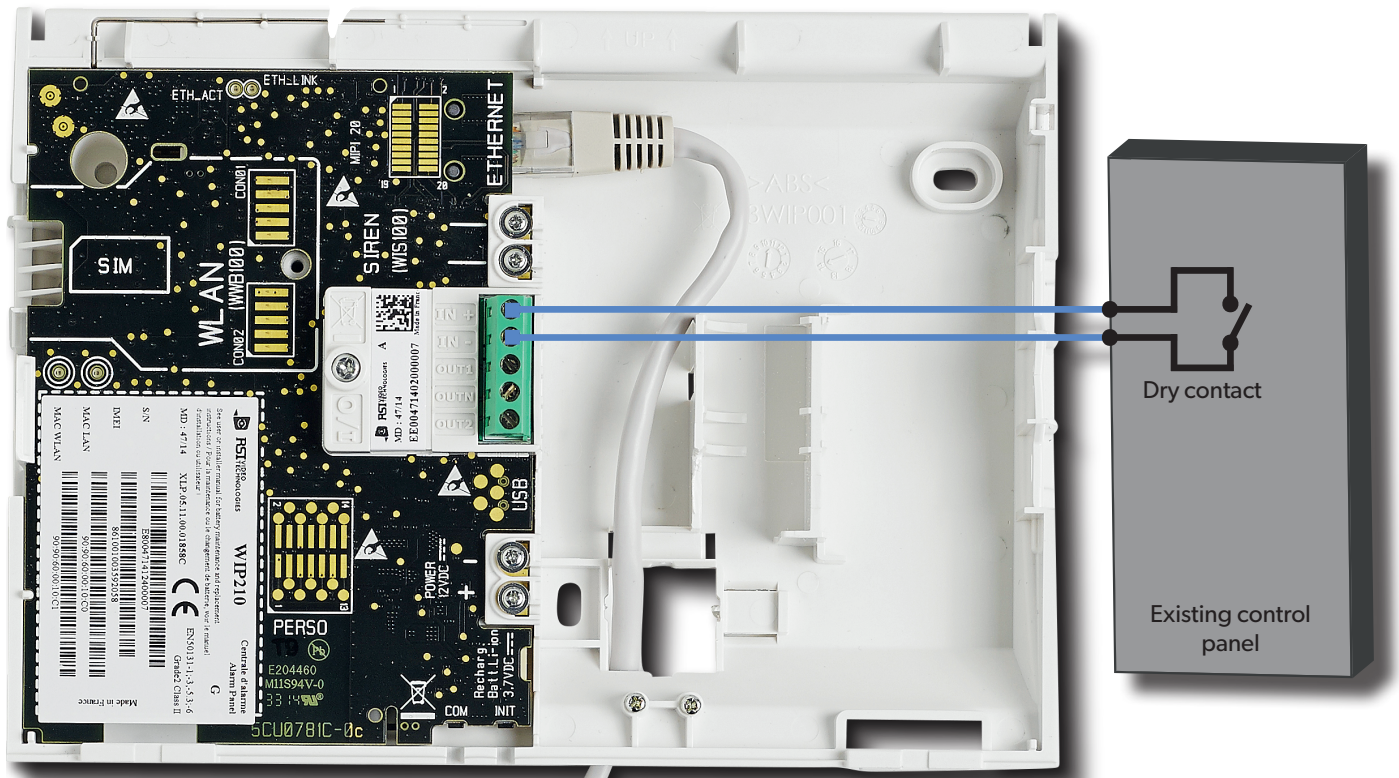
The Videofied® W panel can be used as a standalone alarm system.

When fitted with the WIO100 input/outputs module, it can also be wired to an **existing alarm system** with a programmable open drain 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**. It can also be set as **normally 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.

*As when it is used as a programmable input, the WIO100 input used as an XTENDER arming input can be supervised thanks to the two 4.7kΩ resistors provided with the module.*





## 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. Choos 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

ARMING PROFILE :  
FROM THE HOST

OK or YES  
↓

ARMING MODE

MODE :  
SLOW



MODE :  
FAST

**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.

OK or YES  
↓

ENTRY DELAY

VALUE (0-255) :  
(000) : \_

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.*

OK or YES  
↓

TRANSMISSION DELAY

VALUE (0-600) :  
(000) : \_

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.

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

OK or YES  
↓

ARMING CONFIRMATION

VALUE (0-240) :  
(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**.

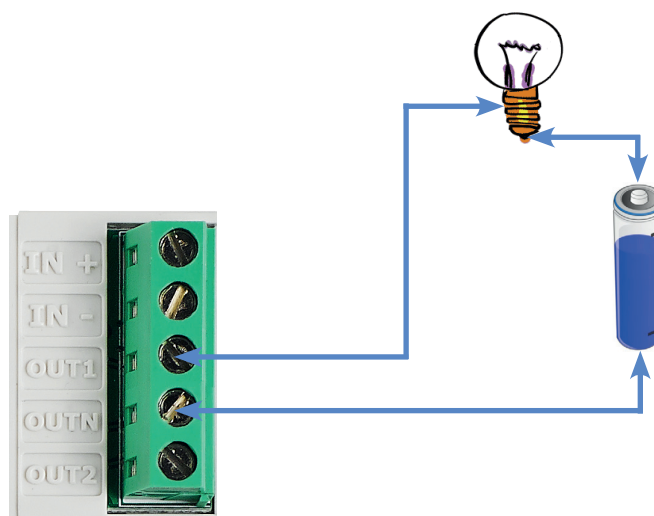


## 2. Programmable outputs

The WIO100 programmable output is an open drain 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.



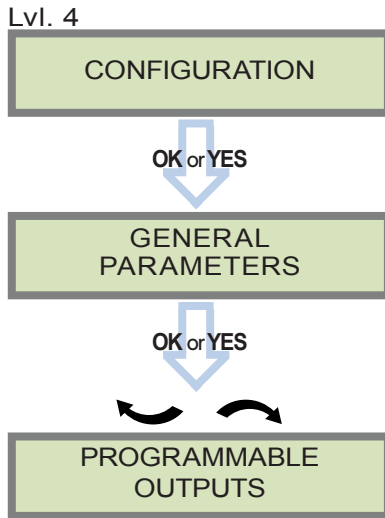
*OUT 1 programmable output connection*

### 2.1 Programmable outputs triggering

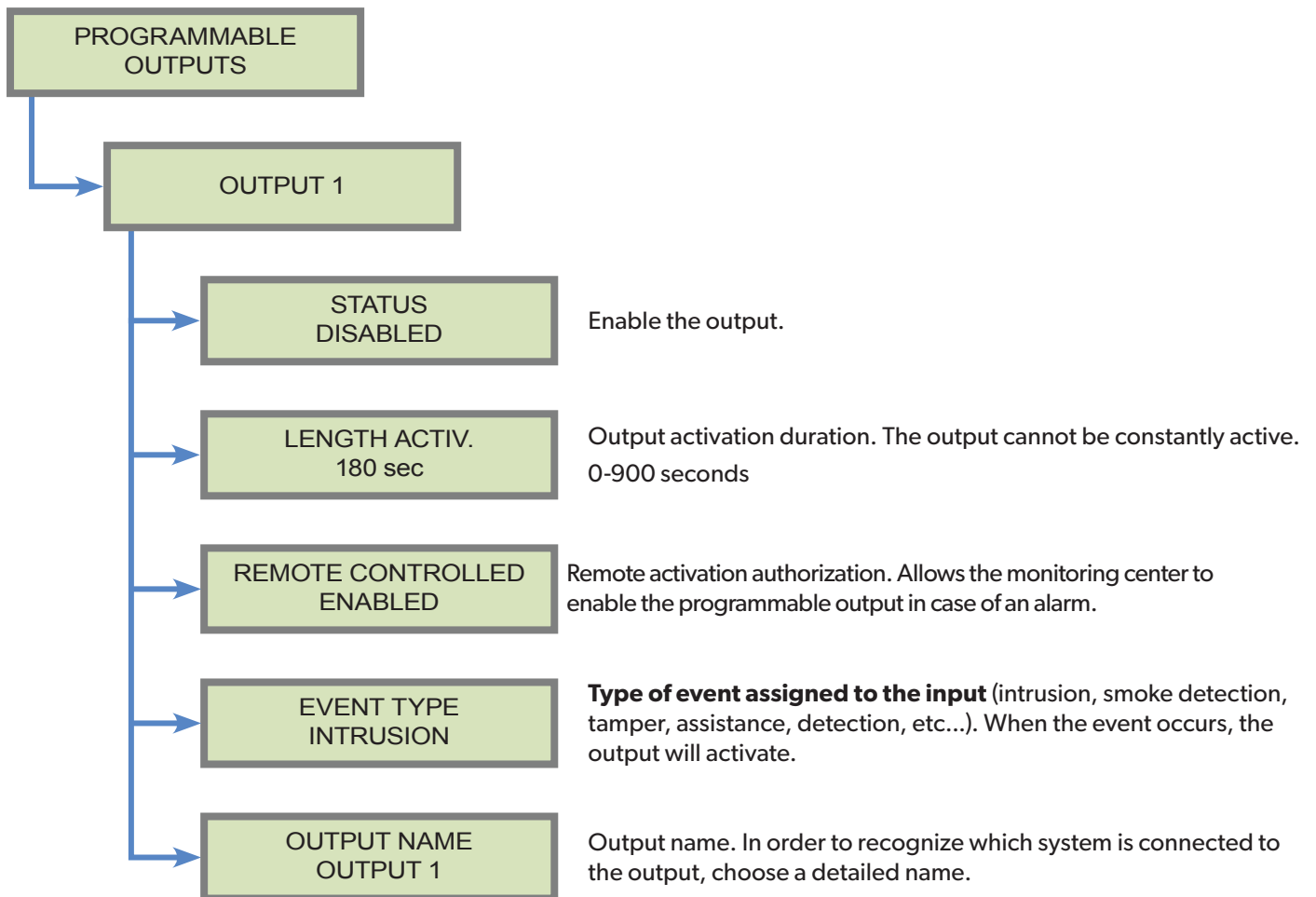
You can find below the list of events that can trigger a programmable output.

<b>INTRUSION</b>	Intrusion detector triggered.	<b>ETHERNET CABLE</b>	Loss of Ethernet connection.
<b>TAMPER</b>	Damage, cover or back tamper.	<b>DETECTION</b>	Specific event detection.
<b>PANIC BUTTON</b>	Panic button assistance.	<b>PROG. Input 1</b>	Prog. Input detection.
<b>INCORRECT CODE</b>	5 wrong codes/badges.	<b>ARMING Input 1</b>	XTENDER Input mode detection.
<b>DURESS CODE n</b>	Duress code 1 or 2.	<b>BATTERY DEFAULT</b>	Battery technical fault.
<b>SUPERVISION</b>	Supervision default.	<b>GPRS/2G3G Jamming</b>	GPRS Jamming.
<b>RADIO JAMMING</b>	Radio jamming.	<b>IF SYSTEM ARMED</b>	Active whatever arming mode.
<b>LOW PANEL BATT.</b>	Panel low battery default.	<b>IF FULLY ARMED</b>	Active if system fully armed.
<b>LOW DEVICE BATT.</b>	Device low battery default.	<b>IF ARMED SPn</b>	Active if armed with SP1 OR SP2.
<b>AC POWER MISS.</b>	AC power loss default.	<b>IF ARM.FULL-SPn</b>	Active if fully armed or special.
<b>PANEL RESET</b>	Panel reset.	<b>IF ARMED SP1-SP2</b>	Active if armed with special mode
<b>SYSTEM ARMED</b>	System arming.	<b>IF ARMED PAn</b>	Active if partition n is armed
<b>SYSTEM DISARMED</b>	System disarming.	<b>IF ARMED PA1&amp;PA2</b>	Active if both partitions are armed
<b>PERIODIC TEST</b>	Periodic test.	<b>SIREN MODE</b>	Output activation following siren mode.
<b>ALARM CANCEL</b>	Alarm canceled via keypad.	<b>NOT READY TO ARM</b>	Arming not allowed due to system fault.
<b>SMOKE DETECTION</b>	Smoke detection.	<b>INTRUSION &amp; ARM.</b>	Intrusion device triggered while system armed.
<b>PHONELINE MISS.</b>	Loss of phone line.		
<b>TMT REQUEST</b>	Remote maintenance request.		
<b>MEDICAL ASSIST.</b>	Medical assistance.		

## 2.2 Access to programmable outputs menu



## 2.3 Programmable outputs menu



### EMEA SALES

23, avenue du Général Leclerc  
 92340 BOURG-LA-REINE  
 FRANCE  
 E-Mail : emeasales@rsivideotech.com

### North American Headquarters

1375 Willow Lake Blvd, Suite 103  
 Vadnais Heights, MN 55110  
 USA  
 E-Mail : usasales@rsivideotech.com

