

XT710 GPRS control panels are wireless battery operated alarm systems designed for residential, small business security applications and both indoor and outdoor commercial applications. Through the use of the MotionViewer and Videofied products, the XT710 GPRS panel offers video verification in case of intrusion

The XT control panel has three programmable inputs. Note that we advise to use a power supply when using the programmable inputs. The XT control panel can either be used as a **STANDALONE** or **XTENDER** (piggyback) to an existing alarm panel.

This application note will focus on the configuration and the use of this programmable inputs. You will be able to program your programmable input(s) by reading the Configuration section. The Use section will get you an idea of the practical use of programmable inputs.

PROGRAMMABLE INPUT 1, **PROGRAMMABLE INPUT 2** and **PROGRAMMABLE INPUT 3** are triggered by voltage between 9V and 15V and an intensity between 1,5mA (@9V) and 3mA (@15V). If a dry contact is used to trigger the programmable inputs, the REF+output can be used to supply this dry contact. (See Diagram Page 3 - PROGRAMMABLE INPUT 1 is set up as a panic button).

The XT control panel also offers a mapping feature. Mapping option allows the input to generate a video-clip via a MotionViewer when a programmable input is triggered and/or when an event occurs. (See Mapping Application note) An obvious application for this feature is HoldUp alarm event video verification.

Please note that programmable inputs can be allocated to events such as:

INTRUSION	Intrusion event. With siren by default.
TAMPER	Tamper event. With siren by default.
PANIC BUTTON	Panic Button event. With siren by default.
INCORRECT CODE	Incorrect code event. With siren by default.
DURESS CODE1	Duress code event. Without siren by default.cto.
DURESS CODE2	Duress code event. With siren by default.
SUPERVISION	Supervision defect event. Without siren by default.
RADIO JAMMING	Radio jamming event. Without siren by default.
LOW PANEL BATT.	Low panel batteries event. Without siren by default.
LOW DEVICE BATT.	Low device batteries event. Without siren by default.
AC POWER MISS.	AC Power missing event. Without siren by default.
PANEL RESET	Panel reset event. Without siren by default.
SYSTEM ARMED	System armed event. Without siren by default.
SYSTEM DESARMED	System desarmed event. Without siren by default.
PERIODIC TEST	Periodic test event. Without siren by default.
ALARM CANCEL	Alarm cancel event. Without siren by default.
SMOKE DETECTION	Smoke detection event. With siren by default.
PHONELINE MISS.	Phoneline missing event. Without siren by default.
TMT REQUEST	TMT request event. Without siren by default.

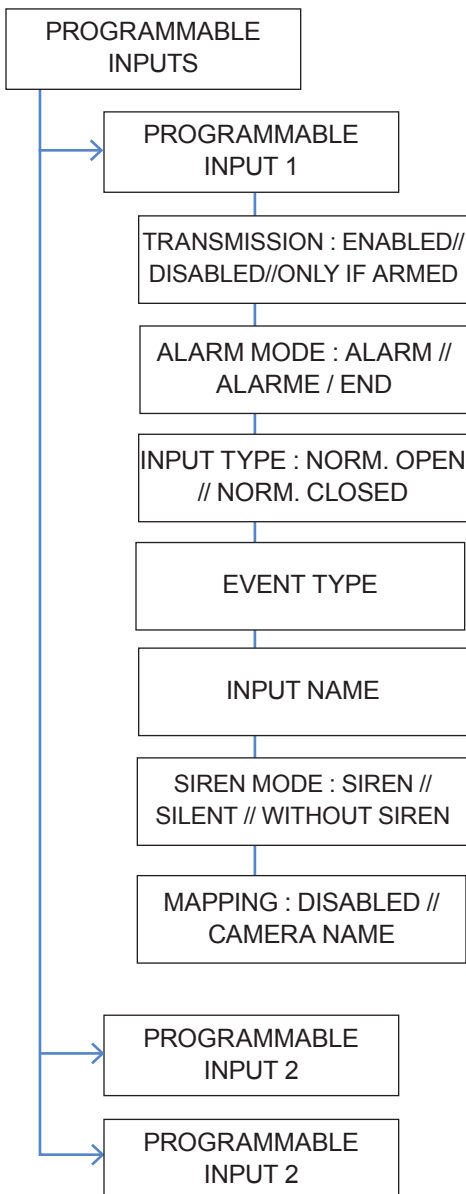
1. Configuration : programmable inputs

PROGRAMMABLE INPUTS CONFIGURATION

(Use  and  to change values)

- 1.ACCESS LEVEL + YES
- 2.ACCESS LEVEL : 4 + YES
- 3.ENTER YOUR INSTALLER BADGE OR CODE + YES
- 4.CONFIGURATION + YES
- 5.ENTER YOUR INSTALLER BADGE OR CODE + YES
- 6.GENERAL PARAMETERS + YES
- 7.PROGRAMMABLE INPUTS + YES

Keypad screen



Notes

Programmable Inputs configuration menu

Programmable Input 1 configuration menu

Programmable Input 1 status configuration. ENABLED : PROGRAMMABLE INPUT ENABLED // DISABLED : PROGRAMMABLE INPUT DISABLED // ONLY IF ARMED : PROGRAMMABLE INPUT works only if the system is armed.

Alarm Mode configuration. ALARM : From the start of the event - Open . ALARM / END : From the start of the event, as well as from the end of the event – OPEN / CLOSE.

Programmable Input type configuration. NORMALLY OPEN : Your programmable input is open by default. NORMALLY CLOSED: Your programmable input is close by default.

Event type choice. (See Event Type list in Page 1)

Programmable input name choice

Siren mode choice when programmable input is triggered. SIREN : Siren enabled. SILENT: Siren disabled. WITHOUT SIREN : Siren disabled however beep on keypad enabled.

The Mapping feature allows to generate a video-clip via a Motion Viewer when a programmable input is triggered and/or when an event occurs. DISABLED : MAPPING disabled. CAMERA NAME : Camera choice generating video-clip.

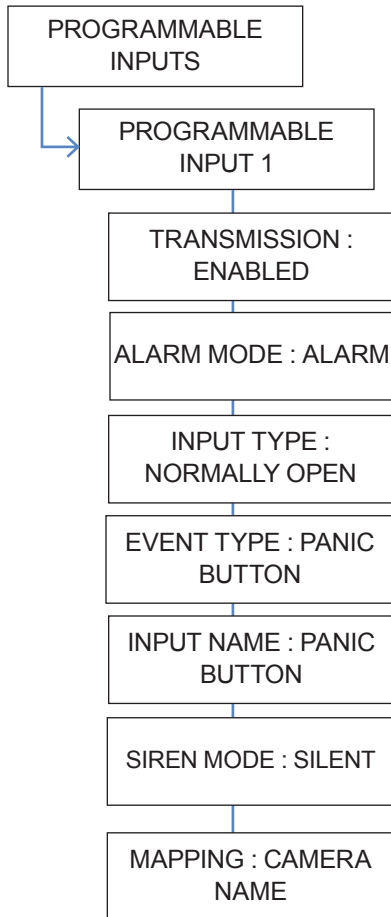
Programmable Input 2 configuration menu

Programmable Input 3 configuration menu

2. Use : programmable inputs

Example 1 : PROGRAMMABLE INPUT 1 is a Panic Button.

Keypad screen



Notes

It is necessary to enable the transmission of the programmable input in order to transmit the event linked to the panic button.

The choice of ALARM in ALARM MODE will allow you to transmit the Panic Button event when the panic button is activated.

The panic button is normally open by default, INPUT TYPE is NORMALLY OPEN.

The event linked to the panic button is PANIC BUTTON.

Programmable input's name, for example : PANIC BUTTON.

Siren mode when panic button is triggered. It can be interesting to select the SILENT mode in SIREN MODE in order to deactivate the panel's siren and avoid all sound warnings.

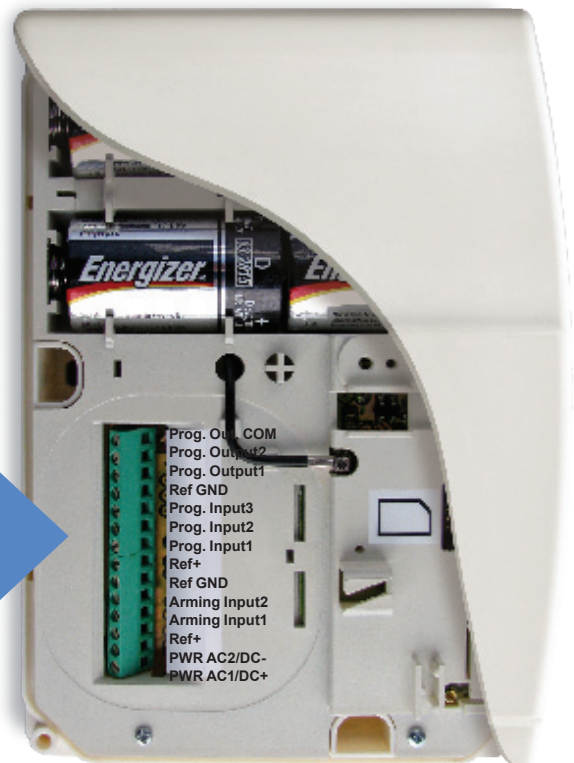
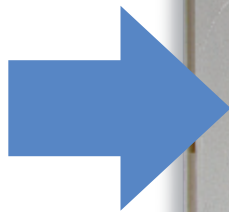
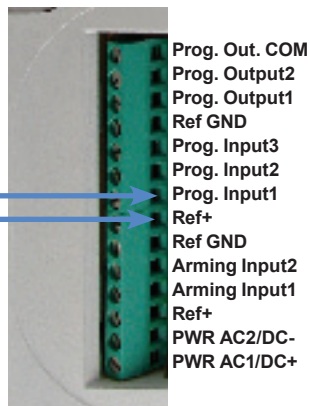
The Mapping feature allows to generate a video-clip via a Motion Viewer when the panic button is triggered . CAMERA NAME : Name of the camera generating a video-clip.

Wiring



PROG. INPUT 1

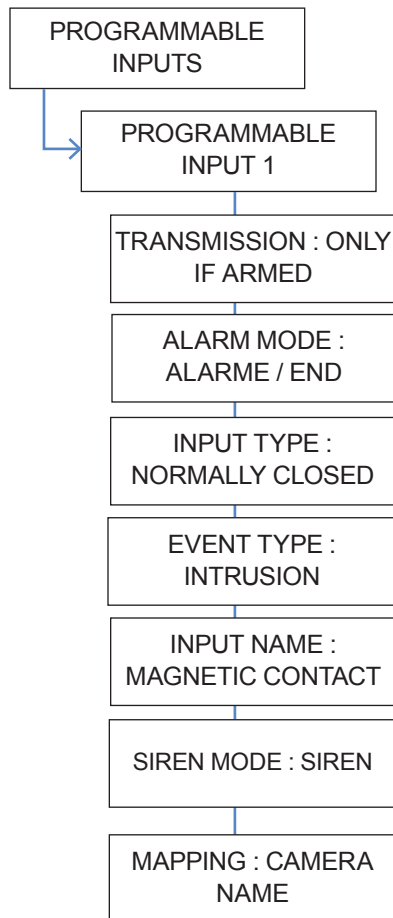
PANIC BUTTON



2. Use : programmable inputs

Example 2 : PROGRAMMABLE INPUT 1 is a Wired magnetic contact.

Keypad screen



Notes

The main objective is to transmit events from the existing panel. It is important to select TRANSMISSION : ONLY IF ARMED in order to transmit only when the system is armed by the user.

The choice of ALARM / END in ALARM MODE is interesting in order to transmit opening and closing of an event.

The existing magnetic contact is normally closed by default, INPUT TYPE is NORMALLY CLOSED.

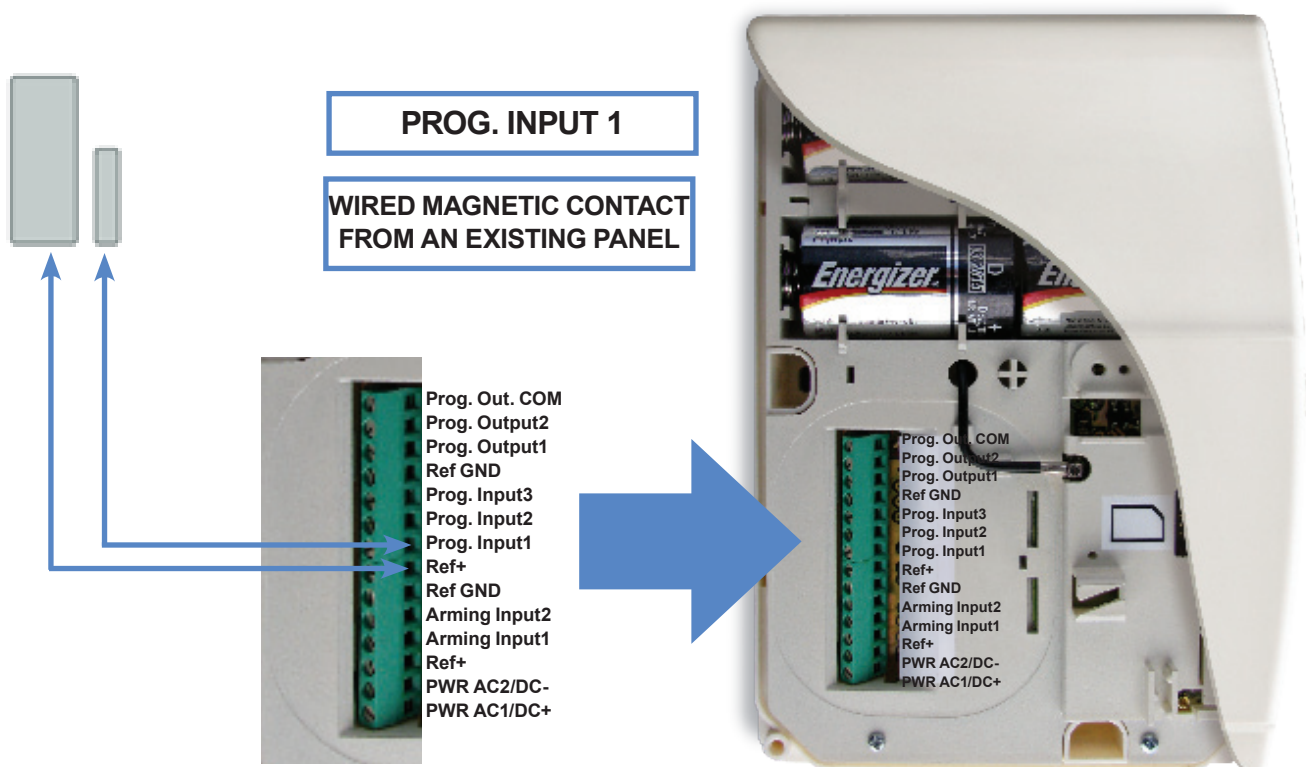
The event linked to the existing magnetic contact is INTRUSION.

Programmable input's name, for example : MAGNETIC CONTACT.

Siren mode when existing magnetic contact is triggered. The SIREN mode in SIREN MODE will allow you to activate the videofied siren in case of detection on the existing system.

The Mapping feature allows to generate a video-clip via a Motion Viewer when the magnetic contact is opened-triggered . CAMERA NAME : Name of the camera generating a video-clip.

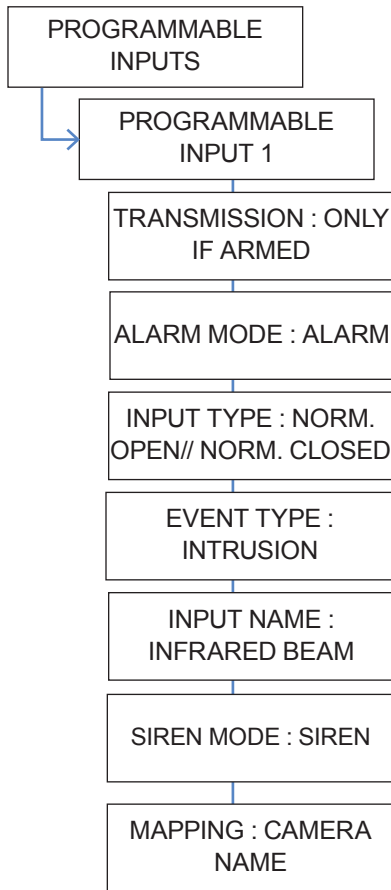
Wiring



2. Use : programmable inputs

Example 3 : PROGRAMMABLE INPUT 1 is an Infrared beam.

Keypad screen



Notes

The main objective is to transmit an external event. It is important to select TRANSMISSION : ONLY IF ARMED in order to transmit only when the system is armed by the user.

The choice of ALARM in ALARM MODE will allow you to transmit the intrusion event when infrared beam is triggered.

Depending on the infrared beam you use, choose NORM. OPEN or NORM. CLOSED.

The event linked to the infrared beams is INTRUSION

Programmable input's name, for example : INFRARED BEAM.

Siren mode when infrared beam is triggered. The SIREN mode in SIREN MODE will allow you to activate the videofied siren in case of detection the infrared beam.

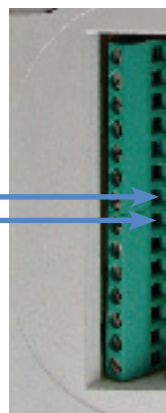
The Mapping feature allows to generate a video-clip via a Motion Viewer when the Infrared Beam is triggered . CAMERA NAME : Name of the camera generating a video-clip.

Wiring



PROG. INPUT 1

Infrared Perimeter Beam



Prog. Out. COM
 Prog. Output2
 Prog. Output1
 Ref GND
 Prog. Input3
 Prog. Input2
 Prog. Input1
 Ref+
 Ref GND
 Arming Input2
 Arming Input1
 Ref+
 PWR AC2/DC-
 PWR AC1/DC+



Prog. Out. COM
 Prog. Output2
 Prog. Output1
 Ref GND
 Prog. Input3
 Prog. Input2
 Prog. Input1
 Ref+
 Ref GND
 Arming Input2
 Arming Input1
 Ref+
 PWR AC2/DC-
 PWR AC1/DC+



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