Addressing
XSAT Mini - C8 - XSAT36 - XSATPW - XSATWS/2/4 - XSATHP Mini

Address Satellite	Dip 1	Dip 2	Dip 3	Dip 4
Satellite 1	Off	Off	Off	Off
Satellite 2	On	Off	Off	Off
Satellite 3	Off	On	Off	Off
Satellite 4	On	On	Off	Off
Satellite 5	Off	Off	On	Off
Satellite 6	On	Off	On	Off
Satellite 7	Off	On	On	Off
Satellite 8	On	On	On	Off
DIP 5 ON = High Speed (NO satellite C8) XSAT Mini: DIP 6 ON = High Speed XSATHP Mini: DIP 8 ON = High Speed				

Addressing
XSATHP

Address Satellite (SW2)	Dip 1	Dip 2	Dip 7	Dip 8
Satellite 1	Off	Off	Off	Off
Satellite 2	Off	Off	Off	On
Satellite 3	Off	Off	On	Off
Satellite 4	Off	Off	On	On
Satellite 5	Off	On	Off	Off
Satellite 6	Off	On	Off	On
Satellite 7	Off	On	On	Off
Satellite 8	Off	On	On	On
SW1 - DIP 7 ON = High Speed				

The **XGSM485 (from Version 1.2p0)** does not require addressing. To be able to use the physical inputs on board, all that is necessary when programming the central control unit is to enable a satellite in the "Satellite type" step and configure it as "XGSM485".

Hints on armings management

The control panel enables four types of armings: **ON, HOME, ZONE and PERIMETER.** To every type of arming it is possible to arbitrarily associate any zone set of the control panel.
When the control panel is armed in one of the four possible modalities, the zones associated to that modality are active and may signal alarm.
The arming of the control panel, if carried out with an external key, can happen in two different ways: ***impulsive*** or ***state***.
The main difference between the ***impulsive*** and ***state*** modality is that in the first, if the control panel has been armed using an external key it can be disarmed using keypad and vice-versa, whereas in the second, the control panel cannot be disarmed using keypad as long as an external key maintains it armed at state.
The control panel establishes a hierarchical order of the arming where the ON modality is the highest level one and the following modalities proceed in order HOME, ZONE and PERIMETER. This determines that if an arming is controlled and later one of higher level takes over, the control panel passes to the highest level modality.

- **Example 1**: the control panel is armed in HOME modality by an external ***state*** key. Later the ON arming is controlled by keypad. The control panel passes to ON arming. If it is disarmed by keypad, it remains armed in HOME modality, until the external ***state*** key completely disarms it.
- **Example 2**: The control panel is armed in ON modality by an external ***state*** key. Later the ZONE arming is controlled by keypad. The control panel remains armed in ON modality. If it is later disarmed by the ***state*** key, it passes to ZONE arming, until it is completely disarmed by keypad.
- **Example 3**: The control panel is armed from keypad in any modality. Later an ***impulsive*** key intervenes in any modality. The control panel disarms. The same happens if the control panel is armed from ***impulsive*** key and then disarmed from keypad.

Key installation

The control panel can be armed from an external actuator as well as from the keypad; by means of the zone inputs suitably programmed as arming in ON, HOME, ZONE or PERIMETER modality.

The zone inputs in C8 satellite can be configured as NC - NO - R1
If they are configured as R1, the resistors used must have a 4700 ohm value

Control Panel Programming

- **Prog. Key:** Program "Impulsive" or "State", depending on the wanted management.
- **Prog. Zone:** Program a zone as **ON Key**: (Arming ON) therefore by unbalancing this clamp with a negative for a few seconds "Impulsive management" or maintaining the unbalancing "State management", the control panel will switch on at ON modality and the zones programmed as "Included at ON" will be considered fully active. The same is valid for the zone programmed as **HOME Key**: (Arming HOME), for the zone programmed as **AREA Key**: (Arming AREA) and for the zone programmed as **PERIMETER Key**: (Arming PERIMETER)

N.B. The zones programmed as **Key (ON- HO - AREA - PERI),** must be associated ***to one sector only*.**

N.B. With "Impulsive Management", the unbalance of a physical input programmed as **Key ON/ HOME/AREA/PERIMETER** executes a general power off of the sector in any power on mode it is in.

Example of control panel programming

- Program zone **L1** as **ON Key,**
- Program zone L2 as **HOME Key**,
- An **Output O.C.** must be programmed with modality "**Cat. Armings - YES for ON HO ZO PE - memo all = YES"** -> bistable time
- An **Output O.C.** must be programmed with modality **"Cat. Sector - Re-balancing** -> blk bistable time ->, to give the report of the State of the affected Zones.

If the electronic key is used in **IMPULSIVE** modality, program the **Mod. key functioning** as **Impulsive**
If the electronic key is used in **STATE** modality, program the **Mod. key functioning** as **State**

N.B. The above shown programming example is approximate.

N.B. Any input zone can become arming inputs.

15 DIC 06
00 : 00 : 15

******
00 : 00 : 15

Capture ...
avs electronics

PROGRAMMING

Enter Installer Code followed by (ENT)
(by default: **Installer Code 1 = 000000; Installer Code 2 = Disabled**)

If the code is recognised, the wording "**Capture 128/64/32/16/8**" will appear
Press **(ENT)** to enter

SOME PROGRAMMING VALUES MIGHT NOT CORRESPOND TO THOSE ON THE KEYBOARD BECAUSE THEY RELATE TO THE CAPTURE 32 CENTRAL CONTROL UNIT E.G.: User Code (1 - 128) instead of User Code (1 - 64).

Installation
ENT ↑↓

- Keypads Ynnnnnnn
- Satell. nnnnnnnn
- Sirens nnnnnnnn
- RS dev. nnnnnnnn
- Satellite type ENT ↑↓
  - Satell. add. 1 XSAT36/PW/S.POW
- Pairing XSATWS ENT ↑↓
  - XSATWS 1 with 2 NO
- List sat.->BIP ENT ↑↓
  - Position # 1 (1..8)
    - Satell. addr. 0 (0..8)
- Virtual XSATHP ENT ↑↓
  - Sensors nnnnnnnnnnnnnnn
- EWEB / EWEB WIFI NO

to following page

Installation

Keypads: By setting "YES", the individual keypad connected on serial is enabled

Satellite: By setting "YES", the individual satellite connected on serial is enabled

Sirens (serial): By setting "YES", the individual siren connected on serial is enabled

RS dev. (serial): By setting "YES", the individual RS Device (reader) connected on serial is enabled

Note: It is possible to install the various accessories not in sequential order; it is therefore possible to enable the serial 7 accessory even without having installed the previous ones.

Satellite type: The type of satellite model need to be defined;

Satellite address xx: indicates which satellite we are programming from 1 to 8.
This step is used to define which types of satellites have been connected to the serials; with this pogramming a series of controls are activated, used to avoid performing programming errors during association of the software zones to the physical ones.:
- XSAT36/XSATPW/S.POW: The XSAT36 is a wired satellite with a maximum of 36 zones. The XSATPOWER has the same characteristics as the XSAT36 with the addition of management of its power supply unit. The XPOWER is a satellite for sole management of its power supply unit.
- XSATMINI: wired zone extension peripheral that adds up to 3 NC inputs or 1 addressable input
- Wireless Satellite: it is possible to acquire up to 32 radio detectors
- XGSM485: wired satellite with maximum 3 single or double balancing inputs and/or 3 O.C. outputs.
- XSATHP/MINI: wired zone extension peripheral that adds up to 3 normal EOL inputs and up to 32 wired addressable detectors.
- Virtual XSATHP: software function that simulates an XSATHP and allows connecting up to 32 addressable detectors directly to the serial buses of the control panel.
-C8: wired satellite with maximum 8 single, double balancing, NC, NO inputs and/or 8 O.C. outputs.
-PWCPT: wired satellite and power supply integrated with maximum 8 single, double balancing, NC, NO inputs and/or 7 O.C. outputs.

WARNING!!! Only one single Virtual XSATHP is supported in the configuration of the panel.
WARNING!!! The **Virtual XSATHP** function CANNOT BE USED if using physical **XSATHP** devices connected to the panel.

Step up to version 1.1 01 of the control panel

Pairing XSAT WS: This menu is used to establish which radio satellites must work in pairs.

The first value corresponds to satellites 1 and 2, the second to satellites 3 and 4, the third to satellites 5 and 6, the fourth to satellites 7 and 8

To access other entries press **(↑)** or **(↓)**

List sat.->BIP: This menu is used to define a sequential order between the various radio satellites.

Position X: This sequential order defines that the remote controls acquired on the first satellite will be from number 1 > 64, those acquired on the second satellite will be from 65 > 128, those acquired on the third satellite will be from 129 > 192 and so on.

Satellite address: indicates the address of the satellite saved in this position.

Virtual XSATHP: This menu allows you to define what are the sensors connected and managed directly by the serial port of the system. Detectors connected to the serial port must be numerated from 1 to 16.

Sensors: Setting "YES", enables the single sensor with serial connection (HP series).

EWEB/EWEB WIFI: Setting "YES", enables the EWEB / EWEB WIFI board

Press **(CLR)** to vary
Press arrows **(←)** and **(→)** to position the cursor
To access other entries press **(↑)** or **(↓)**
Write the number to be set
Press **(ENT)** to confirm