

## SPC-V REMOTE PROGRAMMER AND MONITORING SYSTEM FOR SPC10/30 Instruction Manual



### SPC-V :

Programming system for the activation of the loads and for the monitoring of energy. It can be connected to the new range of photovoltaic battery chargers mod. SPC10/30.

Autodetect of the battery charger and of the battery voltage, with connection "on fly" in every moment (Plug and Play).

Four measures in real time view which are selectable among 10 available measures, according to the user's wishes.

Four hour ranges for the programming of the loads.

Administration of the light sensor which is already in the battery charger.

### First of all

Remove accurately the packages which protect the **SPC-V** and verify the integrity of each part.

### Installation of the Programmer

The Programmer must be connected to the battery charger through the apposite connector and it must be cramped through the two fixing screws which are in the upper side of the programmer.

### POWER ON

Once you have inserted the connector, SPC-V will start automatically and it will begin to work normally.

Considering the number of system's functions, here below we have put a diagram in which there are all the screens in which we will operate and the sequences of keys you have to utilise to change the respective parameters.

### Controls and Visualisations

As you can see from the diagram, there are three main screens within which you can move by pushing the key **Mode/End**.

### Amb\_0

In the first screen (called **Amb\_0**) you can see constantly the right hour, the batteries voltage and a commentary line which indicates the present condition of the system:

- **UNACTIVE** : There are not any inserted programming.
- **XX:XX-> OFF** : Hour and nature of the next event on the loads.
- **L-SENS** : Wait for the light sensor consent.
- **OVER TEMP** : Protection for the temperature overcoming.
- **OVER LOAD** : Protection for an excessive absorption on the loads.
- **LOW BATTERY** : Protection for low batteries.

In this screen it is possible :

- **TO PROGRAM THE HOUR** : Press at the same time the keys **UP/+** & **DOWN/-** and release them.

In this way you go to the screen called **Amb\_4** in which you can use the following keys:

- PRG/TAB** : to move the cursor
- UP/+** : to increase the underlined value
- DOWN/-** : to decrease the underlined value
- MODE/END** : to end the programming and go back to **Amb\_0**

**ISO 9002 certified****- TO PROGRAM :**

Press the key **PRG/TAB** and release it back; in this way you go to the screen called **Amb\_3** in which it is possible to program the four hour ranges or the timer with light sensor activation, using the following keys:

**PRG/TAB** : to move the cursor  
**UP/+** : to increase the underlined value  
**DOWN/-** : to decrease the underlined value  
**UP/+ & DOWN/-** : to activate / deactivate the hour band  
(the symbol "V" validates)

**END** : to end the programming and go back to **Amb\_0**

**Note** : On indicates the activation of the loads, while Off indicates the turning off. The activation of the function **TIMER** to activation with light sensor resets the other 4 bands and deactivate them.

**Amb 1** (see note 1)

In the second screen you can see some measures which later you can select for a permanent visualisation.

In fact in this screen you can use the following keys:

**UP/+** : Visualise next measure.  
**DOWN/-** : Visualise previous measure.  
**UP/+ & DOWN/-** : Activate/deactivate the visualisation of the current measure in the screen three **Amb2** (the symbol "V" validates).

**Note** : If you exceed a max. of 4 activations, the system automatically does not accept others, while at least one selection must be always validated.

In this screen there are various energy counters which you can reset by pressing for about 5 seconds **PRG/TAB**. The zero setting is displayed for some moment by an apposite visualisation.

**Amb 2** (see note 1)

In the third screen you can see the measures (max. 4) that you previously selected in **Amb\_1** (the symbol "V" validates).

**Note 1** : For some measures you can see an arrow in the screen; such arrow indicates the direction of the energy flux of the measure in question:

Ex. 1 The wording :

**Current Battery**  
**—> Ib 01,73 A**

indicates that at present an input current (of recharge) of **1,73 A** is circulating in the battery;

Ex.2 while the wording

**Current Battery**  
**<— Ib 01,73 A**

indicates that at present an output current (of discharge) of **1,73 A** is circulating in the battery.

**Particular Conditions****1) After the power on, you see the wording "Error N°0"**

In some cases it is possible that the unit is not able to connect itself correctly to the system. In such cases you have to repeat the connection procedure, that is you have to disconnect SPC-V, wait for some time e reconnect it to the battery charger.

**2) The unit does not turn on**

Verify the connection to the battery charger and verify that it is on.

For any problems not above mentioned, please contact directly WESTERN CO., to the address written below.



SnC Via Pasubio,1 – 63037 San Benedetto del Tronto (AP) - ITALY  
Tel. ++39/735/75.12.48 – Fax ++39/735/75.12.54  
E-mail: westcom@insinet.it <http://www.western.it>

