YCIVP PROPORTIONAL SOLENOID INCREMENTAL CONTROL DEVICE

OPERATION

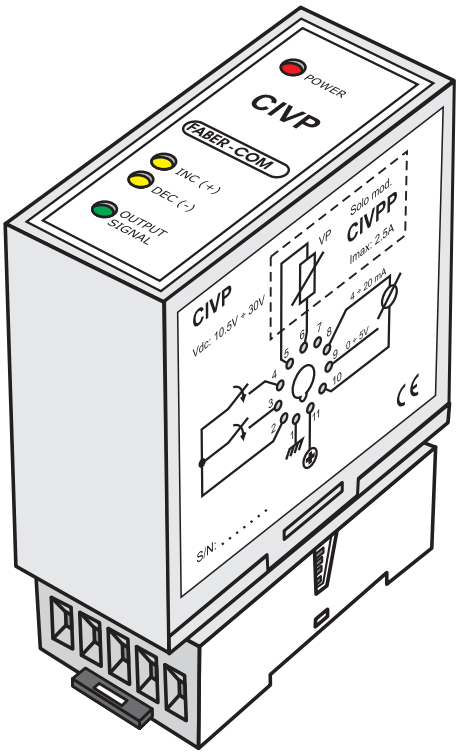
The CIVP card can be considered like an **ELECTRONIC POTENTIOMETER**

It can be used to replace a potentiometer with the further possibility to have several control working positions at the same time.

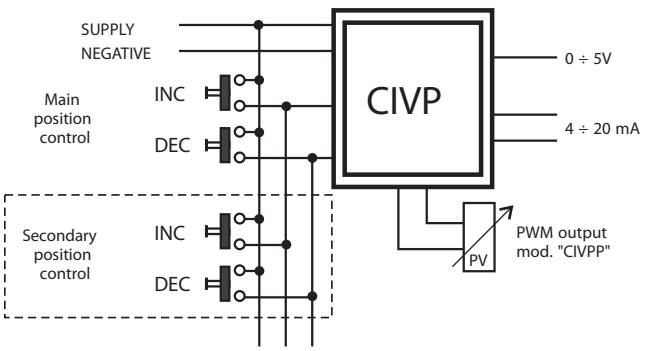
FEATURES

- Voltage output signal 0 ÷ 5V, and current output signal 4 ÷ 20 mA.
- Output regulation by a pair of push buttons.
- Easy to command from several control working positions at the same time (simply with the
- connection in parallel of the others push buttons pairs)
- At the start-up the output can take the last set value or zero.
- Automatic increase/decrease, if the regolation button is held pushed, with the possibility to choose between two different speed.
- On the frontal panel some leds show the output and the control push buttons state.

- Available with proportional solenoid valve direct PWM output (mod.CIVPP)



WIRE DIAGRAM

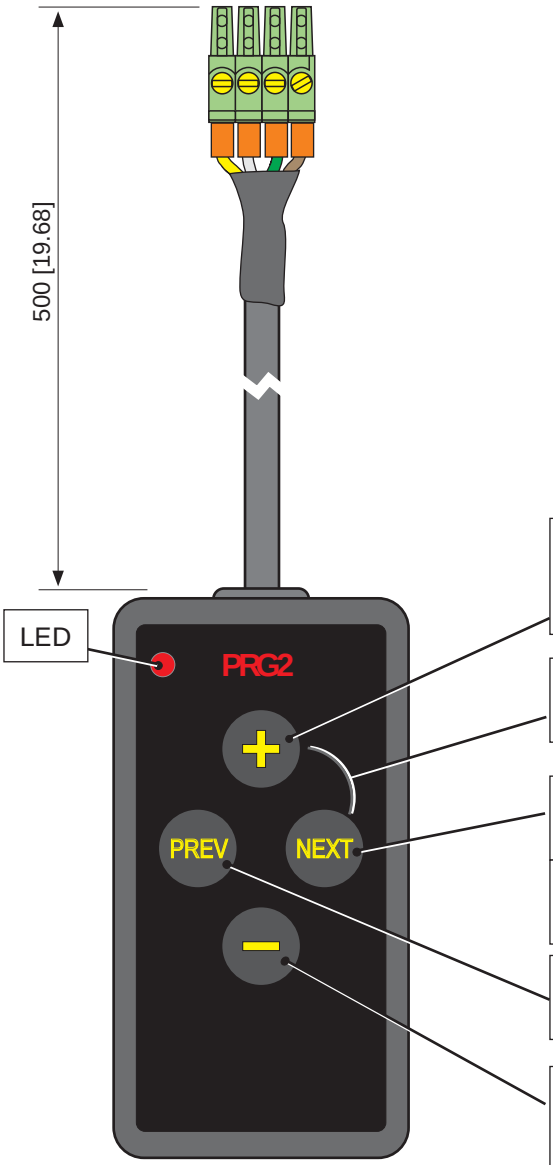


TECHNICAL SPECIFICATIONS	
Power supply voltage	*10 Vdc ÷ 30 Vdc*
Voltage output signal	*0 ÷ 5V - Max current: 5 mA*
Current output signal	*4 ÷ 20 mA*
Output signal resolution	*256 levels*
Output signal stability	*< 0.5%*
Working room temperature	*-20 ÷ +60 °C • -68° ÷ 140°F*
Case	*Plastic box with Undecal connector*
Overall dimensions	*79 x 36 x 77 mm [3.11 x 1.42 x 3.03]*
Weight	*200 g [0.44 lbs]*

YPRG2 PROGRAMMING KEYBOARD

DESCRIPTION

The PRG2 keyboard is the simplest device that can be used to tune working parameters on the last-generation electronic cards developed by manufacturer.
With PRG2 keyboard and the help of the two-digit display mounted on the electronic card to be programmed, or the flashing LED on the PRG2, you will be able to scroll all the working parameters and the tune them at will.



ACTUAL SIZE

At the end of the programming phase, it is necessary to save parameters in memory by pushing contemporaneously the PREV and the NEXT buttons, otherwise all the modifications will be lost when the device will be turned off.
PRG2 keyboard connector can be plugged in and pulled out from his socket on the electronic card even with the system turned on.
The presence of the programming keyboard will be automatically detected and the device will go in programming mode.
The LED shows, with a series of flashes, the current programming step.

WORKING SPECIFICATIONS

Increase the value of the current parameter.
(For some of the parameters, to see the value displayed changing, you have to push the button 2 or more times.)

Push “+” and NEXT together to send a CALIBRATE command

Go to the next parameter.
(once reached the last parameter, restart from the first)

Push PREV and NEXT together to send a SAVE command

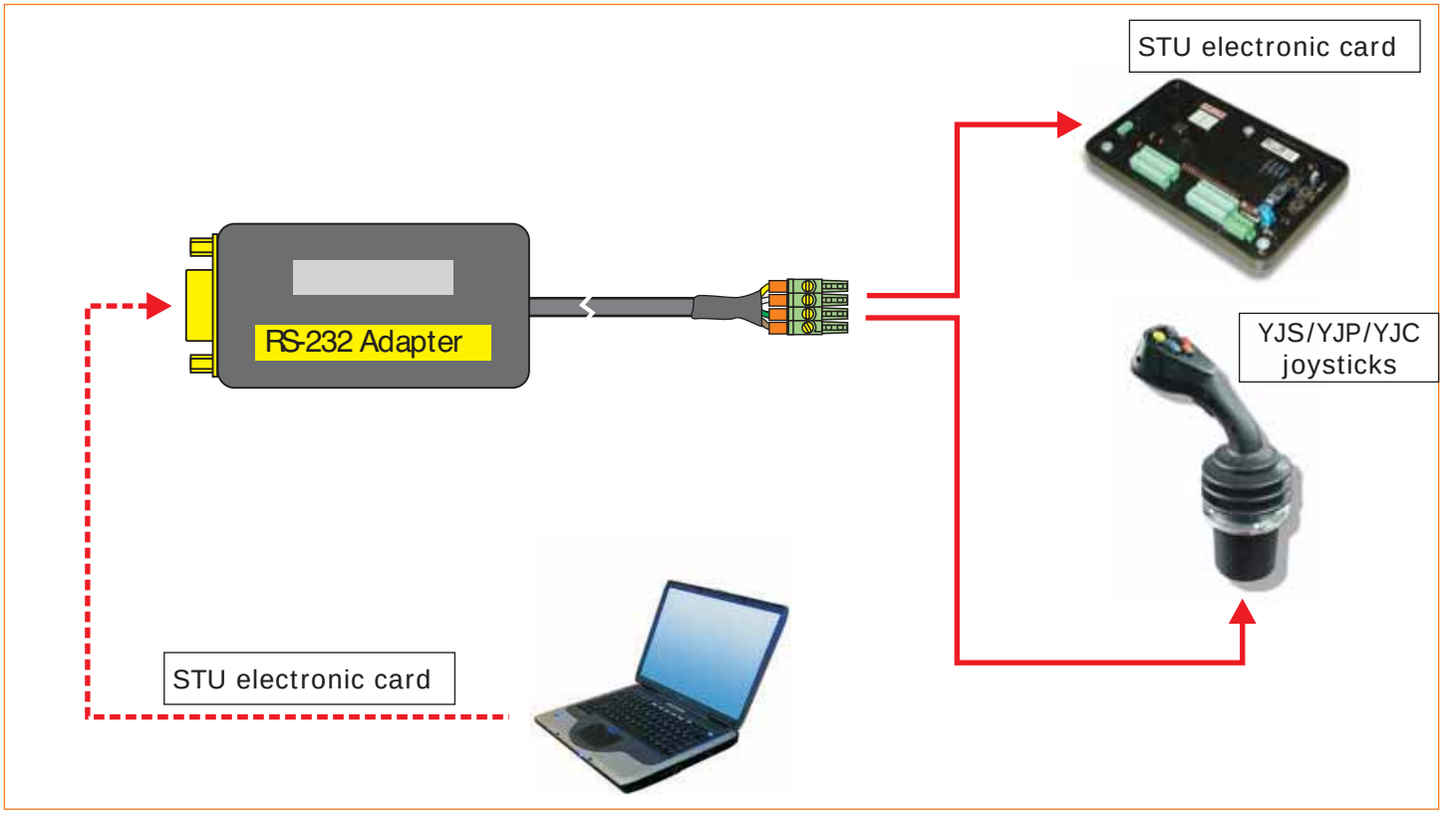
Go to the previous parameter.
(once reached the first parameter, stay there)

Decrease the value of the current parameter.
For some of the parameters, to see the value displayed changing, you have to push the button 2 or more times.)

“+”, “-”, “PREV” and “NEXT” keys have the autorepeat function that starts 1/2 sec. after they have been pressed.

For more complex needs (extended access mode to reserved parameters, uploading of the entire set of parameters to download to other cards, parameter’s value direct introduction, 16x2 LCD display visualization, advanced diagnostics,...) it is available thePCPS serial programmer.

YAIS SERIAL INTERFACE ADAPTER FOR ELECTRONIC CARDS



DESCRIPTION

The YAIS Serial Interface Adapter is the only medium to connect our electronic devices (STU electronic card and YJS/YJP/YJC joysticks) to a PC for programming, calibration, firmware updating and working parameters monitoring.

The communication between the device and PC is supported by SepSim, a Windows application (Win98/Win2K/XP tested). The “Lite” version of SepSim is provided freely when the device is purchased.

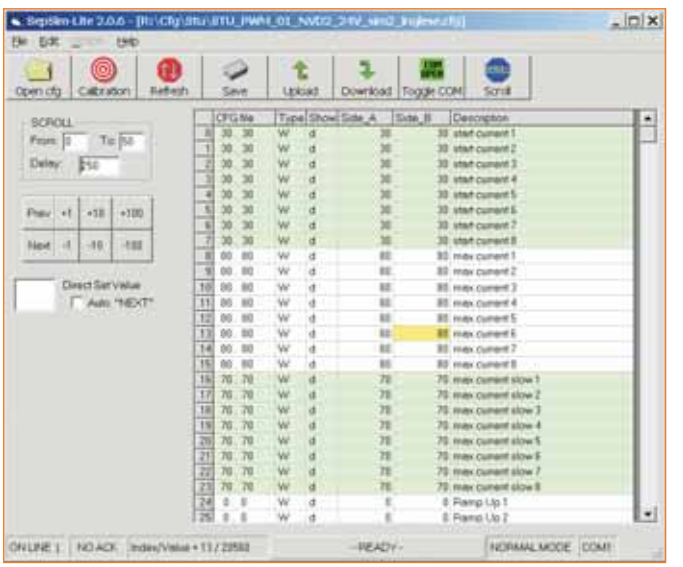
With this application a device configuration can be saved to a file and downloaded into another device.

The application requires a serial port or a USB to RS232 converter.

The program file is self-installing and the application is extremely user friendly.

AIS is provided with a 1,80 m [5.9 ft] long serial cable (DB9 male/female).

On the right is showed the main page of SepSim.



YCCS SALT SPREADER DASHBOARD

DESCRIPTION

The SALT SPREADER dashboard is an electronic regulator that allows you to proportionately control and independently set spreading distance and salt quantity, through the regulation of two PWM outputs.
There are also 3 more switches for auxiliary functions:

- one to set proportional commands to their max value;
- one to control light system;
- one to control a bidirectional function (A-0-B).

The red led on the front panel provides informations during working mode.
The dashboard is provided with cables and DIN connectors for proportional solenoid valves.
On the rear side is placed a strong magnet to fix the dashboard into the cockpit.

FEATURES

Through the PRG2 serial programming keyboard (optional) you will be able to tune minimum and maximum current for each proportional solenoid valve; you can also choose the PWM outputs frequency (70 or 100 Hz).
On the start up the regulator controls the status of the analog signals in order to block PWM outputs if command signals are not at zero position; the system begins to work again when potentiometers are reset to zero.
To ensure more safety during working mode, the regulator provides a threshold for input signals (in case of a broken potentiometer);PWMoutput will be blocked if the corresponding command signal goes out of its allowed range.

TECHNICAL SPECIFICATIONS	
Supply Voltage	*10Vdc ÷ 30Vdc*
Current absorption	200 mA + output load
Working temperature range	*-20 ÷ +70 °C • -68° ÷ 158°F*
PWM output minimum current	*adjustable from 100 to 2250 mA*
PWM output maximum current	*adjustable from 100 to 2250 mA*
PWM frequency	*adjustable: 70 o 100 Hz*
ON/OFF output maximum current	*5A*
Dashboard size	*150 x 95 x 95 mm [5.91 x 3.741 x 3.74 in]*
Cables lenght	*3 m [9.8 ft]*
Seal integrity	*indoor use only*
Cockpit fixing through the magnet on the rear side of the dashboard	