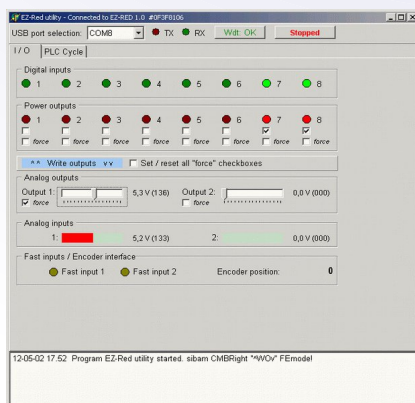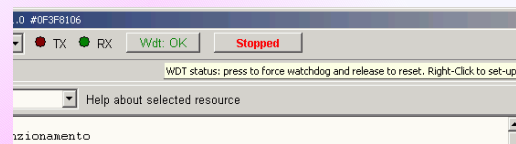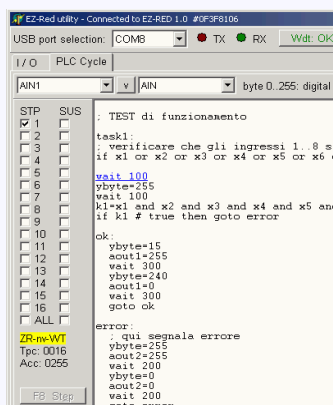## *Programmable I/O power module for PC / stand-alone*

- ► *To control machinery and other devices using a personal computer (on-line mode)*
- ► *Internal PLC, to work in stand-alone mode without computer*
- ► *Power supply from 12 to 30 volt DC*
- ► *Monitor LEDs on all inputs and outputs*
- ► *Extractable connectors for connections*
- ► *Compact size: mm 95x110x24*

- ► 8 digital inputs 5 to 30 volts
- ► 8 power outputs (for inductive loads too) with current up to 2A (max 4A total)
- ► 2 fast, opto-coupled 10Khz inputs (encoder interface)
- ► 2 analog inputs 0-10V
- ► 2 analog outputs 0-10V
- ► 1 power supply output, stabilized 12V 200mA
- ► USB interface, Windows® IDE utility/compiler
- ► Compatible with LabView®
- ► Simple and effetictive text-mode command console
- ► Internal configurable *watch-dog*

- ► Procedural programming language with PLC extensions
- ► 16 concurrent tasks
- ► Integrated development IDE
- ► 64 virtual relays, 64 16-bit data registers
- ► 16 timers with resolutions from milliseconds to minutes
- ► Special configuration non-volatile registers
- ► Special instructions for data acquisition
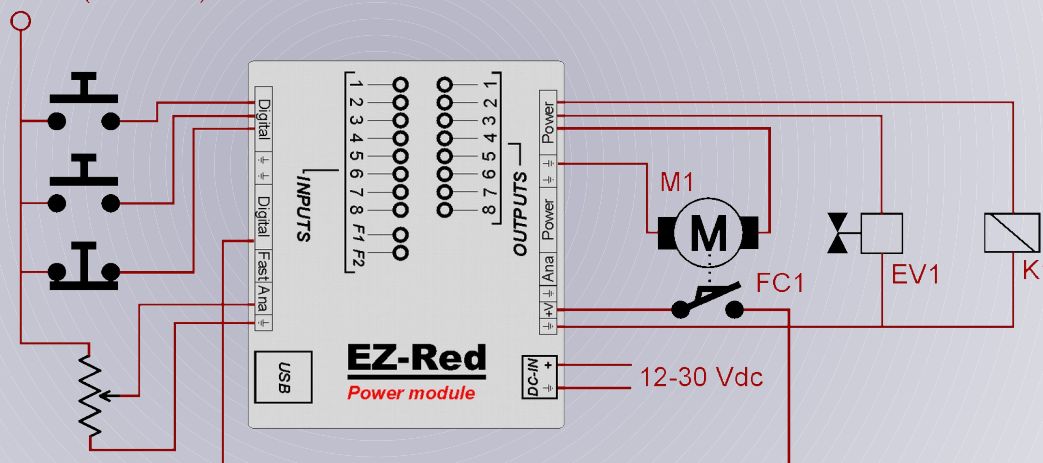- ► Password protection for flash memory (PLC program)

We provide a good customer support

µController technology

Programmable I/O power module for PC / stand-alone

Applications:

► *Stand-alone* machinery controls
► Power interface for computers
► Upgrade of old automation systems
► Data acquisition
► Test and quality control systems
► Simple and cost effective alternative to PLC

+10 Vdc (5-30 Volt)

INPUTS

OUTPUTS

Digital

Digital

Fast Ana

USB

EZ-Red
Power module

Power

Ana

Power

+V

DC-IN

M1

M

FC1

EV1

K1

12-30 Vdc

EZ-Red
Power module

► The power outpus support directly resistive and inductive loads such as relays, electro valves, small CC motors.
► The power outputs are protected and monitored for short-circuit, over-temperature, over-voltages and open circuit (broken circuits).
► The digital inputs accept voltages from 5 to 30 volts DC, and are protected from polarity inversion.
► EZ-Red monitors continuously its power supplies and PC communication.

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