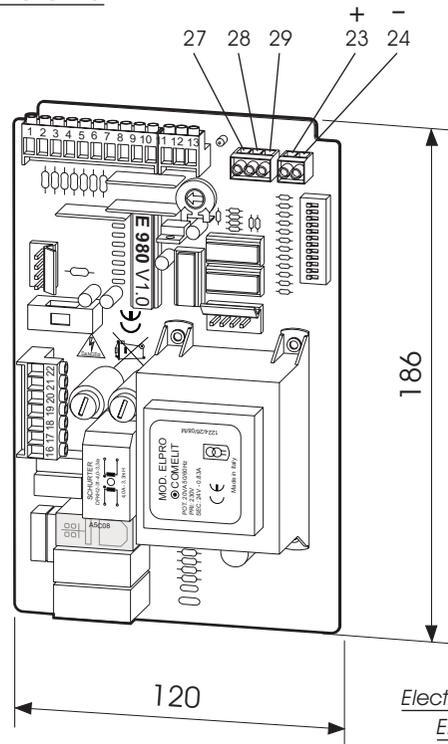
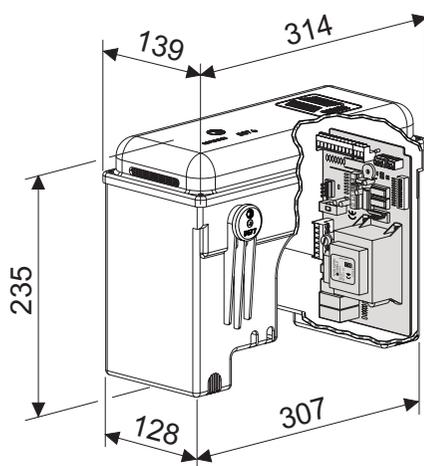


**OVERALL DIMENSIONS**



*Electronic board  
Elpro 980*



*Plastic container  
housing Elpro 980*



the gate opener  
Made in Italy



**Elpro 980** is a microprocessor electronic board to specifically control and command only the Bayt 980 barriers. Designed to be fitted inside a specific shock-proof plastic container into the housing of the barrier Bayt 980 (into the top of it, under the cover), the control board Elpro 980 includes all the features required to operate traffic barriers, made switch-able such as: open-stop-close operations either in automatic or semi-automatic modes, step by step by remote control, no travel reversing option on Opening by remote control, pre-flashing or non pre-flashing modes, flashing light ON or OFF options in dwell cycle, deadman (hold-on-switched) control on complete cycle or on closing only, gate status indication and diagnostic by leds. Mains voltage connections are well separated by the low voltage circuit providing the connections to the control and safety accessories. It is also fitted with 5A fuses to protect the board and the motor, a 630mA primary transformer, and a 2A secondary transformer.

It is also possible to connect an external time clock to automatically open/close the barrier at any required times, and an optional card to control a traffic light with 2 or 3 lamps.

A special logic feature is incorporated in the circuitry to ensure the utmost safety with the system, even when the motor is stopped, to prevent any motion of the beam unless the safety devices (such as the photocells, safety edges or loop detectors) are cleared of any obstacles.

There may be applications, with very large lanes, where two barriers are required to operate simultaneously, one opposite the other. It is most important that the beam length and speed rate are the same. In this case, it is possible to connect the two control boards Elpro 980 by using only three wires to the terminals 27/28/29. It is understood that both boards are to be 230V power supplied.

In this way one of the two Bayt 980 becomes the master A (only this one has to be connected to all the safety and commanding accessories as required), and controls the second barrier B, the slave one, the safety contacts (Stop and Photocells) of which are to be linked out.

*Please refer to the diagram in the installation manual (drwg.5755).*

**TECHNICAL DATA**

|                           |             |
|---------------------------|-------------|
| Power supply.....         | 230V - 50Hz |
| Voltage output.....       | 230V - 50Hz |
| Low voltage output.....   | 24V - 10W   |
| Output Power.....         | 1'100W      |
| Line fuses.....           | 5A          |
| Protection standards..... | IP 437      |

**MAXIMUM APPLICABLE LOADS**

|                    |                   |
|--------------------|-------------------|
| Photocells.....    | 3 pairs max 300mA |
| Flashing lamp..... | 230V 25W          |
| Outputs 12/13..... | 24V 350mA         |
| Outputs 23/24..... | 24V 150mA         |

**TRANSFORMER**

|                    |                   |
|--------------------|-------------------|
| Power.....         | 20VA              |
| Magnetic core..... | 1.5W / thick. 0.5 |
| Voltage.....       | 0 - 230V          |
| Isolation.....     | 4Kv x 1'          |



2003/108/CE Directive  
Disposal of electric and  
electronic materials  
**DISPOSE OF PROPERLY  
ENVIRONMENT NOXIOUS MATERIALS**

