



Company with
Quality Management System
Certified by DNV UNI EN ISO 9001: 2000

SPC300

PEDESTRIAN TRAFFIC CONTROLLER AND VEHICLE OVERSPEED DETERRENT

The SPC300 Traffic Controller is a competitive equipment with high performance and reliability developed for managing Pedestrian Crossing, acting also as deterrent against vehicles overspeed.

For this special reason the controller can manage besides the pedestrian pushbutton signal, also two special inputs dedicated to Radar device capable of detecting overspeed vehicles.

On request, it is possible to integrate a special device for recording photographs proving evidence of the red light violation.



The controller can perform the following stages:

A) Normal Condition (vehicle at regular speed and no pedestrians)

- Vehicular Green L1
- Vehicular Green L2
- Pedestrian Red

B) Overspeed detection (on L1 side)

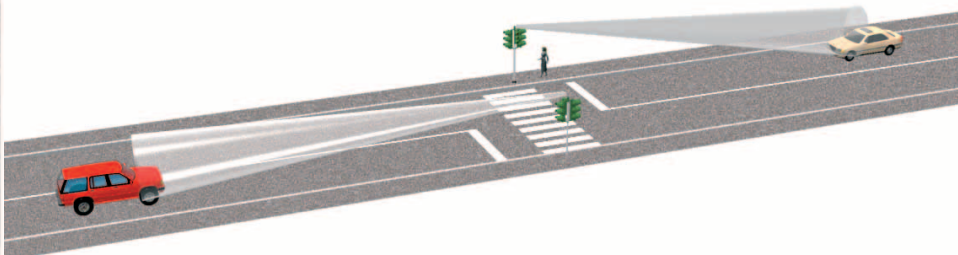
- Vehicular Red L1 (for a selectable time)
- Vehicular Green L2
- Red Pedestrian

C) Overspeed detection (on L2 side)

- Green Vehicular L1
- Red Vehicular L2 (for a selectable time)
- Red Pedestrian

D) Pedestrian call (or overspeed detection on both sides)

- Red Vehicular L1
- Red Vehicular L2
- Green Pedestrian (for a selectable time)



The traffic signal head assures high safety in the pedestrian crossing.

It stops all vehicles travelling overspeed.

Signal and radar for vehicle stop.



TECHNICAL FEATURES

CONTROLLER CAPABILITIES

The traffic controller SPC300 has been designed to manage:

- 3 Phases (9 Triac power outputs) divided in:
 - 2 phases (3 triac) for vehicle signals;
 - 1 phase that could be formed by two or three triac for pedestrian signals
- 8 Digital Input

SECURITY

The standard control features included in the controller are:

- Monitoring of correct green lighting up (Conflict green and congruity with given commands)
- Monitoring of red bulb burning
- Watch dog monitoring

The occurring of the above said controls, sets the plant in emergency condition (Flashing mode).

CONTROLLER CONFIGURATION

The controller configuration is realized through a PC using a standard terminal emulator software such as Windows Hyperterminal.

Using this software the timing of each stage of the controller could be programmed or read into the controller memory.

MMI INTERFACE

The controller is equipped with a control panel by which you can select the following functions:

Automatic
Manual
Blinking
All Red

A Led light is used to signal the following status:

Conflict Green — 1Hz blinking
Red Bulb burnt — 5Hz blinking



STRUCTURAL CHARACTERISTICS

The SPC300 controller is a compact unit made only by one module, complete of:

- Power supply for logic and for 24Vdc to controller input
- 1 Microprocessor with on-board Flash memory
- 1 EEPROM memory for configuration data
- 1 RS232 serial port
- 8 Optoisolated input circuits at 24Vdc
- 1 Fourteen pin connector for input signal connection
- 11 Terminal points for signal head cable connection

Cabinet:

In press-forged polyester having the following dimensions:

H = 850 mm

L = 590 mm

W = 320 mm

Protection degree: IP55

ELECTRICAL FEATURES:

Main Supply: 230V -20% +15%

Consumption (lamps excluded): 10 VA

Maximum controller charge: 3200 W

Max. charge for each output : 800 W

Output fuse: 4A type EF

ENVIRONMENTAL CONDITIONS:

Operating temperature: -20° +60° C

Relative humidity: 98%