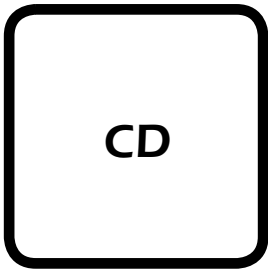


SISTEMI PER LA GESTIONE DEL TRAFFICO - TRAFFIC CONTROL SYSTEM



"COUNTDOWN" TRAFFIC LIGHTS

GENERAL CHARACTERISTICS

- High brightness thanks to Led optical system
- Strong and reliable, inserted in traffic lights modules diam. 200 and 300 mm
- Easy to install
- Microprocessor electronics
- Self-learning of times to be displayed with connection in parallel to the traffic lights; it can be used as a display for figures with communication through serial port
- Red and green in the same device
- Useful to avoid false starts of drivers, reducing the risk of car accidents
- It gives an important information on remaining time when used on pedestrian crossings controlled by traffic lights

DESCRIPTION OF FUNCTIONING

Countdown traffic lights is an easy and effective device at the same time. Drivers approaching a junction controlled by traffic lights can immediately have the information of the phase in progress on their lane, as the module displays the remaining time of green light, and subsequently the amber and red light for stop.

The application of countdown modules is very easy: their connection is done in parallel to the linked vehicular or pedestrian traffic lights. For this reason it does not need special programming or connections to the traffic controller.

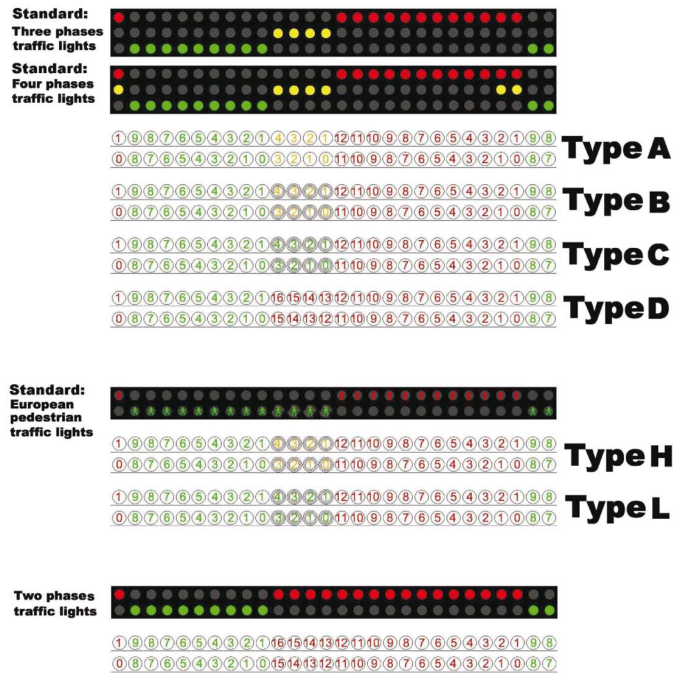
For functioning as a display the countdown is provided with a serial port for direct communication with the controller.

The first cycle of self-learning allows the countdown electronic to learn and record vehicular or pedestrian times, and it will start counting from the second cycle.

The best application of these devices is on traffic junctions with fixed times or on systems with dynamic plan generation, but not on lanes with programs that foresee the cancellation or the extension of traffic phases.

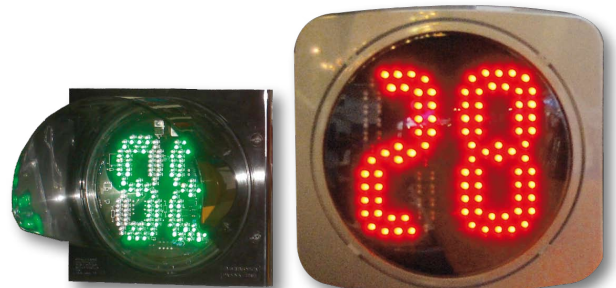
In these junctions it is anyway possible to use countdowns, without giving information on variable times.

During the self-learning mode it is possible to choose the display layout to be shown among 7 different types, according to the colour sequence of the traffic lights to be connected with the countdown.



Functioning modes

On these 7 layouts it is possible to set up to 14 different display combinations. In this way the CVE/CD can be linked to traffic lights of any type, sequence and generation, without changing the functionality of the junction itself.



200CD

G300CD

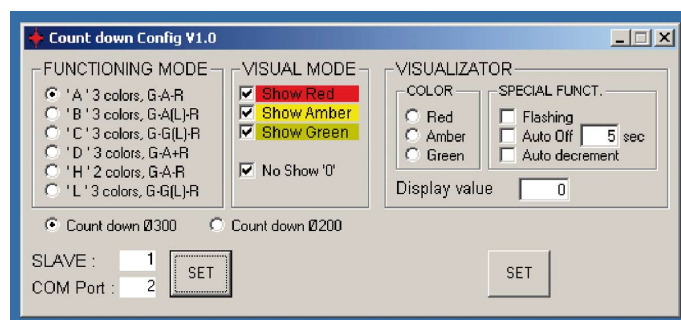
SISTEMI PER LA GESTIONE DEL TRAFFICO - TRAFFIC CONTROL SYSTEM

TECHNICAL FEATURES

1	Model	CD200 CD300 and CD30025 (2 digit and ½)
2	Dimensions	200 mm and 300 mm
3	Number of digits	2 figures on diam. 300mm (Max displayed 99) H character 17,5 cm 2 figures and ½ on diam. 300mm (Max displayed 199) H character 18 cm 2 figures on diam. 200mm (Max displayed 99) H character 12,5 cm
4	4 Led colour	Red and Green (the amber aspect is made by the simultaneous switch of red and green). In alternative with optional Amber Led
5	Number of led	Red 128/Green 128 in 300mm to 2 digit and ½. Red 108/Green 108 in 300 mm to 2 digit Red 92/Green 92 in 200mm
6	Led Type	High luminosity
7	Reading distance	diam.200mm 60 m diam.300mm 2digit 100 m diam.300mm 2 ½ digit 90 m
8	Wave length (nm)	Red 625 nm ±5 Green 505 nm ±5
9	Relative Humidity	20% - 95%
10	Power supply	150 – 265 Vac, 47-63Hz
11	Consumption	5-8 W
12	Operative temperature	- 40°C + 70°C Class A, B, C acc. EN12368
13	Protection Degree	IP65 Acc. EN 60598
14	EMC	acc. EN50293



Through a simple and intuitive software program, that can be installed on any PC, it will be possible to set the desired display mode and it will be possible to change it at any time. This means that CVE/CD is a flexible product able to meet any requirement.



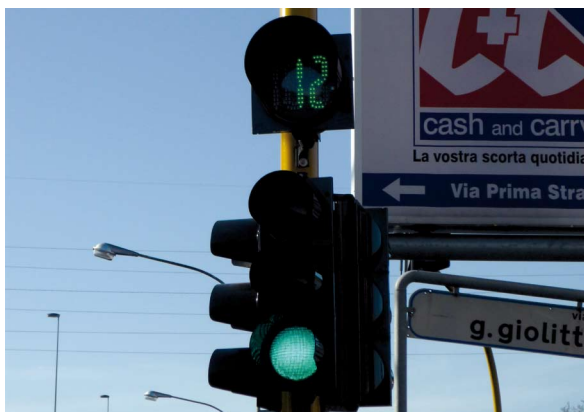
SOFTWARE COUNT DOWN CONFIG

The CD can also be used as a standard display of information. In this case the countdown becomes a normal Led display that can receive orders from any device provided with serial port RS232, through a simple communication protocol.

The mechanics of the countdown module is formed by a single block optics IP55 moulded in shockproof polycarbonate and a series of slides with pressure clips. In this way, it is possible to install the module inside any traffic lights case or on any vertical sign in few minutes.

CODE CD200 Countdown optics single block diameter 200 mm complete with no. 3 fixing hooks and no. 1 EPDM moulded gasket.

CODE CD300 Countdown optics single block diameter 300 mm complete with no. 4 fixing hooks and no. 1 EPDM moulded gasket.



CVE/300CD View of an installed Countdown



300CD

SISTEMI PER LA GESTIONE DEL TRAFFICO - TRAFFIC CONTROL SYSTEM

FUNCTIONING SEQUENCE



Installations



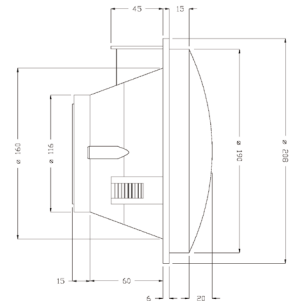
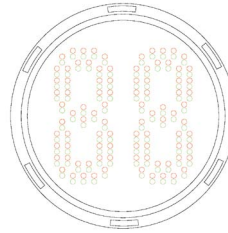
SP/IN/CD Pedestrian traffic light combined to Ø 200 mm Countdown

AUTHORIZED DISTRIBUTOR

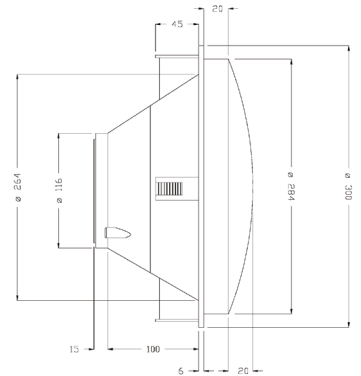
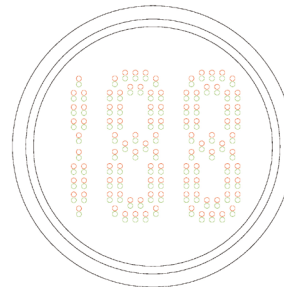


TECHNICAL DRAWING

CVD/200 CD Ø 200 mm



CVD/300 CD Ø 300 mm



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Company with ISO 9001:2008 certificate for projects, installation and maintenance of luminous signs for traffic safety. Clearance SOA cat. OS09 class IV.