



COUNTDOWN STOP&GO

GENERAL FEATURES

Countdown display STOP&GO is designed to provide information to pedestrian on remaining time of the green and red aspect of the traffic lights.

The device is a two aspect pedestrian traffic light having also the capability to display and count-down the time value of the Green and Red aspects.

The integrated countdown can work in a stand alone mode taking the information directly from the signal Red/Green at 230 Vac that will command the pedestrian sign, or in a dynamic way taking data to be displayed from the traffic controller via a RS485 communication line.

The device is made of three units:

- Pedestrian Logic and Display unit
- Countdown Logic and Display unit
- Power Supply unit

The display unit is realised by the following led images:

- A red standing-off man
- A green walking man
- A two 7-segment digit Countdown realized with full colour RGB led



PEDESTRIAN TRAFFIC LIGHT

The unit is directly supplied by the Signal group outputs (Red/Green) of the Traffic Controller.

The unit is complete of a sound emitter (Buzzer) advising the blind people that crossing is permitted.

The logic of the unit will provide to drive the two display images, standing-off red, walking green man and the Buzzer following the here below specified functions:

STANDING-OFF RED MAN IMAGE: Will be driven ON for the whole period of presence of the 230Vac signal coming from the Output Red emitted by the Traffic Controller.

- **BUZZER:** Will be driven ON for the whole period of presence of the 230Vac signal coming from the Output Green emitted by the Traffic Controller. The sound have a frequency of 2800Hz modulated by a frequency defined in Hz, by two different parameters, one for the Green period (man walking) and one for the end part of the green period /man fast walking) or the Green flashing period (automatically recognised). The sound emission period can be conditioned by a daily configurable time-table.
- **WALKING GREEN MAN IMAGE:** The Green man image will be driven ON for the whole period of presence of the 230Vac signal coming from the Output Green emitted by the Traffic Controller, but with the following particularity:

The unit can be driven by the following two light sequence:

- Green-Red
- Green-Green flashing-Red

The Unit will perform different display aspects in function of the light sequence by which is driven, according to the parameters inserted. So it will be possible to decide:

- The mode of image display:
 - Correlated to the green time period with a self-learning cycle activity, that measure the green time length, and realise a walking cycle constituted by two part:
 - Walking man
 - Man walking faster
 - Correlated to the light sequence as a standard pedestrian signal head, where the green period will be shown as a walking figure and the eventual green flashing period can be displayed as Green flashing standing figure or Fast walking man
- The self-learning activity
 - Auto update of the cycle time done on every cycle, the device will show standing image only for the first switch-on time cycle.
 - Self-learning on a configurable number of cycles. The device will show standing image for the number of cycles settled, at the first switch-on time, and every time that a difference greater then a settled value is detected.

COUNTDOWN UNIT

The integrated Countdown unit is a standard model CD300RGB realized by SCAE.

The unit is factory set as a STAND ALONE Red/Green.

In case the pedestrian signal head is used on a cross working on demand by pedestrian push buttons, the Countdown unit must be configured to display only the Green time.

OPERATING MODE

To work properly the unit must operate on junction working in fixed cycle or any way related to a traffic light aspect having fixed timing.

The device can be settled to operate in two different mode:

- **Self Learning mode** - The device set in self-learning mode will work as a stand-alone unit taking supply and measuring directly the timing from the aspect of the lantern to which is related, so the unit needs only to be electrically connected in parallel to each aspect of the traffic signal.
- **Dynamic mode** - The device will operate receiving the information to be displayed from the Traffic Controller. The display will stay off by default and will display and count down the time value, upon receiving a message containing its address and the starting value of the count itself. The unit will work according to the chosen configuration. The association with a traffic light is defined by the unit address that must be associated to a Signal Group into the Traffic Controller configuration.

The value displayed can be different in function of the operating and configuration mode selected.

PEDESTRIAN SIGNAL HEAD FEATURES

Led quantity: 78 Red led; 179 Green Led

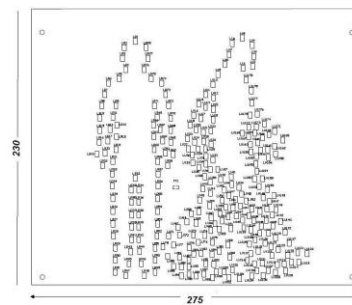
Red colour: 625 nm

Green colour: 505 nm

Figure dimension: 210 mm

Light intensity: Red 7800 cd/sqm;

Green 11.000 cd/sqm



COUNT DOWN FEATURES

Modularity: 300 mm

Character dimension: 90x190 mm

Led quantity: 35+35 RGB

Red colour: 620nm

Green colour: 505 nm



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