About the product

The Traffic Light Counter is made of PC resistant to UV radiations and that ensures a long utilization time. It is used for traffic coordination in crossroads and it displays the remained time [seconds] until the switch of the traffic light to the red or green colour.
Application
Traffic coordination in crossroads, through the electronic display of the remained time [seconds] until the switch of the traffic light to the red or green colour.

Light source
- Red and green LEDs, arranged in an array, that allows the display of numbers with 2 digits (from 00 to 99).
<table>
<thead>
<tr>
<th>Product type</th>
<th>D [mm]</th>
<th>L [mm]</th>
<th>I [mm]</th>
<th>h [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>1S2-TL-N Trafic Lider-Counter</td>
<td>ð200</td>
<td>430</td>
<td>265</td>
<td>366</td>
</tr>
</tbody>
</table>
Description

- The Traffic Light Counter type: 1S2-TL-N consists of:
  - The electronic chronometer that functions on the principle of memorizing the previous time interval, when the red light was on, and respectively the green light was on.
    - Thereby when it is turned on, the first cycle is for "learning" of the time intervals for the two colours (red and green). During this first complete cycle of signalling, the chronometer displays the sign minus for the two digits, in the colour of the active optical compartment (red or green) of the traffic light.
    - The chronometer enters on the NORMAL FUNCTIONING regime after the accomplishment of a complete cycle of signalling. In that mode it will count down the remained time till a colour will turn off (red or green).
    - If the time for displaying a colour will change, for the next cycle there will be counted the new time interval.
    - The red LED situated between the two digits on the bottom side indicates that the chronometer is functioning (it lights intermittently approximate two times for per second).
    - The colours of the displayed digits correspond to the colour of the active optical compartment (red or green) of the traffic light.
    - As well the electronic chronometer is equipped with a device (DIMMER), that adjusts the light intensity of the LED’s during the day or night time.
  - Body made of UV resistant plastic material (ABS or PC).
  - Two joint-brackets for pole mounting, with holes for M8 screws, and channel for fastening with collar with maximum wide of 10mm.
  - The door and the sun shield are made of UV resistant plastic material (ABS or PC), and are fixed on the body with a snap in system.
  - The diameter of the luminous surface: Ø200 mm.
  - Colour: black.

Mounting

- The traffic light will be mounted on poles through joint-brackets. There are two joint-brackets for pole mounting, with holes for M8 screws, and channel for fastening with collar with maximum wide of 10mm.
- The connection of the traffic light is made with the four electrical wires of different colours (see the electrical scheme) through the one superior joint-bracket.

Technical features

- Rated voltage: 230V /50Hz
- Environment conditions: A, B, C (from -40°C to +60°C) according to SR EN 12368
• Impact resistance: IR2 for ABS and IR3 for PC according to SR EN 12368
• The luminaire is from the category of products traffic lights type TRAFIC LIDER for traffic control type: 1S2-TL, 2S2-TL, 3S2-TL according to SF nr.629
• Saline fog: 96 hours according to SR EN 60068-2-11
• Comply with traffic lights standard: SR EN 12368.
• The luminaire is manufactured according to the luminaire standard: SR EN 60598-1.

**Compliance with the European Directives**

• Low Voltage Directive.
• Electromagnetic Compatibility Directive.

The product could be realised in more variants functions of the material of the housing and door.

<table>
<thead>
<tr>
<th>Product type</th>
<th>Rated voltage [V]</th>
<th>Rated power [W]</th>
<th>Protection degree</th>
<th>Class of protection against electric shock</th>
<th>IR</th>
<th>Material housing+door</th>
<th>Weight [Kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>1S2-TL-N Trafic Lider-Counter</td>
<td>230</td>
<td>15</td>
<td>IP45</td>
<td>II</td>
<td>IR2</td>
<td>ABS</td>
<td>2.13</td>
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