Information Panels

Electronic Road Safety Systems

INFORMATION panels comply with standards CEI 214-2 and EN12966-1 under art. 192 of the Regulation for the Enforcement and Implementation of the New Highway Code, and are composed of a 96x48 pixel amber yellow graphic matrix to display characters of different sizes depending on the matrix selected, as well as the display of graphic images and bitmap pictograms.

The remote control technology has the following options: LAN Ethernet network, GSM/GPRS, RS232, RS485.

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Electronic Road Safety Systems

TECHNICAL CHARACTERISTICS

Electronics: Static LED piloting, with PWM technology controlled by RISC FLACH, which totally eliminates flickering, increases the luminous efficacy of the LEDs, extending their useful life.

Number of lines: variable, depends on the matrix selected via software, **max. 6**

Number of characters/line: variable, depends on the matrix selected via software, **max.24**

Number of characters/page: variable, depends on the matrix selected via software, **max. 144**

Maximum number of images in memeory: 250

Character height: minimum variable, depends on the matrix selected, maximum whole screen

Matrix character: pixel 5x7, 7x7, 16x8

Maximum reading distance: 170 m

Pixel format: 1 LED

Gap between pixels: 15mm

LED characteristics: technical characteristic of the CREE market-leading ALLnGAP junction

LED colour: amber yellow with 592 nm wavelength

Angle of visibility: 120° horizontal, 60° vertical

Luminous intensity: 1500 mcd

Automatically controlled brightness: 16 levels (min-max) controlled by two brightness sensors, a main front sensor and a secondary, corrective rear sensor. A special algorithm manages the sensor data as follows:

➤ Use of the brightness value recorded by the main sensor

➤ Use of the corrective sensor value to increase or decrease brightness according to the light recorded on the rear of the panel to obtain optimal brightness even under high contrast conditions.

Luminance: L3

Contrast: R3

Angle of visibility: B7

Service life of the LED M.T.B.F. >1.000.000 hours

Power supply: 230 VAC 50 Hz

Operating temperature: between -5° a +55°C

Grado di protezione : IP55

Ventilation: air circulation (intake and expulsion) is guaranteed by a series of axial, temperature-controlled ventilators used only when required.

Casing materials: The structure is made of press-folded aluminium profile, for strength, lightness and resistance to external environmental agents. The stand is made of coated aluminium and securely anchored to the panel.

Casing colour: antique grey epoxy dust coating.

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