



School Warning Signs

MAIN FEATURES	
Type of sign	Sign with aluminium housing, retro reflective foil and four yellow flashers.
LED	LEDs with high luminous intensity and long life expectancy.
Maintenance	Hardware is designed so that each part can be easily removed and replaced.
Brightness control	Brightness could be: a) Automatically adjustable using an external light sensor. b) Automatically adjustable using a day time precise algorithm. The precise daytime brightness algorithm depends on the geographical location of the sign, taking into account daytime changes throughout the year. c) Pre-adjusted or set from the system.
Temperature monitoring	The SWS is equipped with sensors to continuously measure the temperature inside the cabinet. The temperature monitoring and control system provides the optimal working temperature and prevents condensation or component overheating. The system also protects the LEDs from temperature peaks during the sign operation.
Internal time	The SWS has a real time clock with 2ppm precision.
Operation logs	The logging system provides information about the SWS working conditions. Logs are stored in the SWS internal memory e.g. SWS reset, maximum and minimum temperature, cooling and heating system activation, messages displayed, malfunctions e.g. LED errors individual LEDs, each colour, light sensor, overheating, or communication errors. The precise time each log event happens is recorded in the SWS memory.
Interfaces	Serial RS232, Bluetooth, Cloud Control
Power supply	12V DC or 230V AC

MECHANICAL FEATURES	
Housing dimensions (VxH)	Various sizes available on request
Material	Aluminium AlMg3, powder coated
Fascia colour	Black, RAL 9005
Housing colour	Grey, RAL 9007
Physical performance	T1, T2, T3 / P3 in accordance with EN12966
Resistance to pollution	D3 in accordance with EN12966
Opening	Front opening

OPTICAL FEATURES	
Optical performance in accordance with EN12966	Luminous intensity: class L3 / L3(*) Contrast ratio: class R3 Beam width: class B3 Colour: class C2
LED protection	UV resistant lenses for each LED
LED currents	Constant current LED drivers, stable luminance, independent of the mains voltage tolerances or of battery voltage.

DISPLAY FEATURES	
Fascia	Pictograms (labels) "Children on the road"; text "School"; "Speed limit 20 km/h" and text "When lights flash" are made of retro reflective foil (3M) – class II.
Pixel composition	1 LED
Flashers	Typically 120mm

Disclaimer: All Information contained in this Technical Specification is up-to-date and correct at the date of issue. E&OE. Issue no: 2 - 22.3.22

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