



ELECTRONIC SPEED SIGN

Electronic Road Safety Systems



GENERAL CHARACTERISTICS

The electronic speed sign is an ideal active speed reducing system based on a simple operating principle: the speed of approaching vehicles is detected by a Doppler effect radar sensor which transfers the data to the microprocessor system controlling the speed display.

Depending on the speed and the imposed software parameters, the speed sign displays different messages to the driver of the approaching vehicle, to deter them from exceeding the speed limit.

The speed sign system can be housed in an aluminium alloy box or in stainless steel or galvanised sheet metal containers ready for mounting.

The size of the boxed model can be chosen by the client (standard size: 1000xH1200/1500mm). It is built in extruded primary aluminium alloy 6060 according to standard UNI 9006/1, with size and width tolerances complying with standard UNI 3879.

The front, dual-hinged door guarantees air and water-resistance, and has a double EPDM seal.

The front door system gives easy access to the display housing all the control and management electronics, making maintenance operations simpler and quicker.

The front colourless solid polycarbonate panel is covered with the client's chosen reflective strip decoration and has the fixed display: "YOUR SPEED". The lower section by the LED devices has a black strip to increase the contrast, thereby improving visibility.

The panel is powered by lead-gel buffer battery/ies and/or a 230VAC power supply, or a solar panel with sufficient output to guarantee the system's autonomy.

The LED display is composed of 2/2.5 numbers 20/28/30cm high in high-visibility amber, to display speed from over 150m.

The system can be integrated with LED panel displays having the fixed messages "CAUTION / SLOW DOWN / - 5 POINTS / -10 POINTS", with characters 100/150mm high, activated within the speed thresholds set by the management software.

We can also integrate a reflective strip with the logo and name of the town/province.

Speed is recorded by a microwave radar (k-band 24Ghz), calibrated for long-distances (100-150m), which is installed on the display with a guidance device. Communication with the management software is done via an RS232 serial port or a keypad (standard), or via a USB port and/or bluetooth (upon request).

We can also install a USB logger to download traffic data and/or a GSM modem for remote connection, to configure as well as download traffic data.