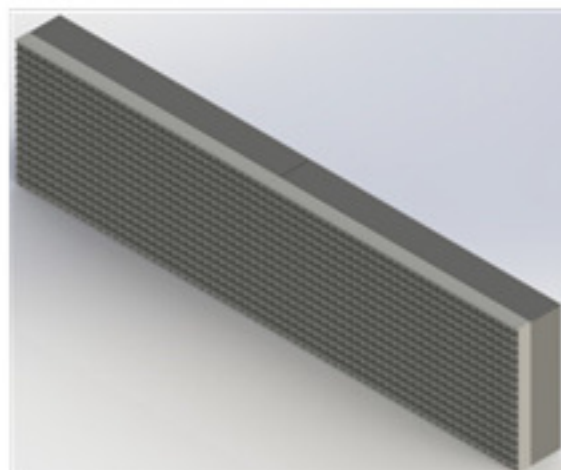


Technical Data Sheet Graphical Display



1 Introduction

ParkSol VMS display is programmable and use RGB colors that offer exceptional clarity and definition over long distances. It has wide range of icons selection, such as "P" , ,disabled person and other signs. Installation, configuration and maintenance are easy and cost efficient. The display is Ethernet based, has blinking function and modular construction. Wi-Fi realization and custom solutions are available. Additionally, it can be integrated into road signs, large pylons etc.

2 Description

2.1 ParkSol graphical display shows the available parking spaces in a parking lot area or a level or zone and additional graphical signs such as "P" disabled . The screen receives information in real-time from the ParkSol system zone controllers assigned to it. The screen design is modular, custom solutions are available too – integration in road signs, large screens at the entrances, advertising signage.

3 Technical characteristics

3.1 Display mode

- Free space display options digits
- Special symbols display options preconfigured and virtually unlimited predefined symbols.

3.2 Electrical characteristics

- Supply voltage 230 V AC
- Current 0,22 A
- Power consumption 50 W (for 64x16 pixels)

3.3 Interfaces

- Type Ethernet
- Ethernet ports 3
- Max. number of devices in system 128

3.4 Indication

- Status LED White or Yellow
- Ethernet status LED White or Yellow

3.5 Working environment

- Work temperature -40°C ..+70°C
- Humidity 20%95% non condensing
- Protection class

3.6 Mounting type and dimensions of LED display

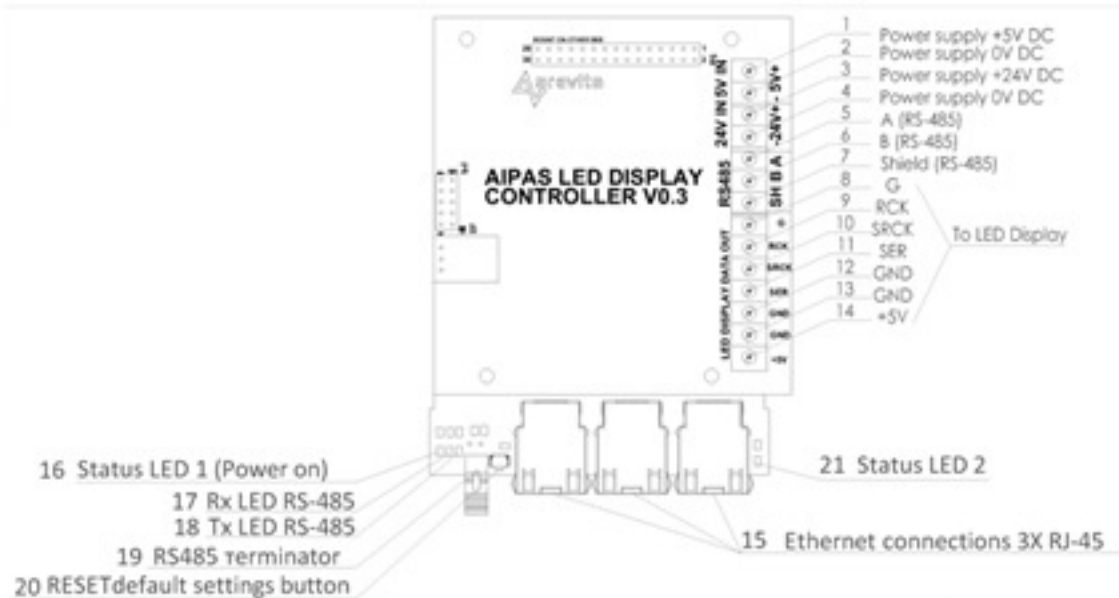
- Dimensions of LED display without mounting legs (mm) 640 x 160 x 60 mm
- Weight 7,5 kg

- Colour Black
- Dimensions of mounting legs 660 x 30x20 mm
- Colour Black
- Mounting pads 80 x 120 x 80mm

4 Operating principles of LED display

- 4.1 LED display is interconnected over a 100 Mbit Ethernet network. The device operates as a standalone 3-port Ethernet switch, so they can be connected in series, one after the other.

5 Installation and connection



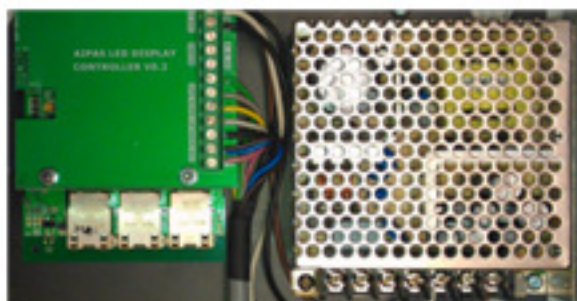
Pic. 1 LED display controller connection pinout.

1 Table LED display controller layout.

No.	LED display controller connection
1	Power supply +5V DC
2	Power supply +0V DC
3	Power supply +24V DC
4	Power supply 0V DC
5	A (RS-485)
6	B (RS-485)
7	Shield (RS-485)
8	LED display data signal "G" - green wire
9	LED display data signal "RCK" - gray wire
10	LED display data signal "SRCK" - yellow wire
11	LED display data signal "SER" - white wire
12	LED display data signal "GND" - shield of cable
13	LED display power supply "GND" - brown and blue wire
14	LED display power supply "+5V" - red wire
15	Ethernet connection 3X RJ-45
16	Status LED 1 (Power on)
17	Rx LED (RS-485)
18	Tx LED (RS-485)
19	RS-485 terminator
20	Reset/default settings button
21	Status LED 2



Pic. 2 Connections of LED display controller. Front view ethernet connectors.

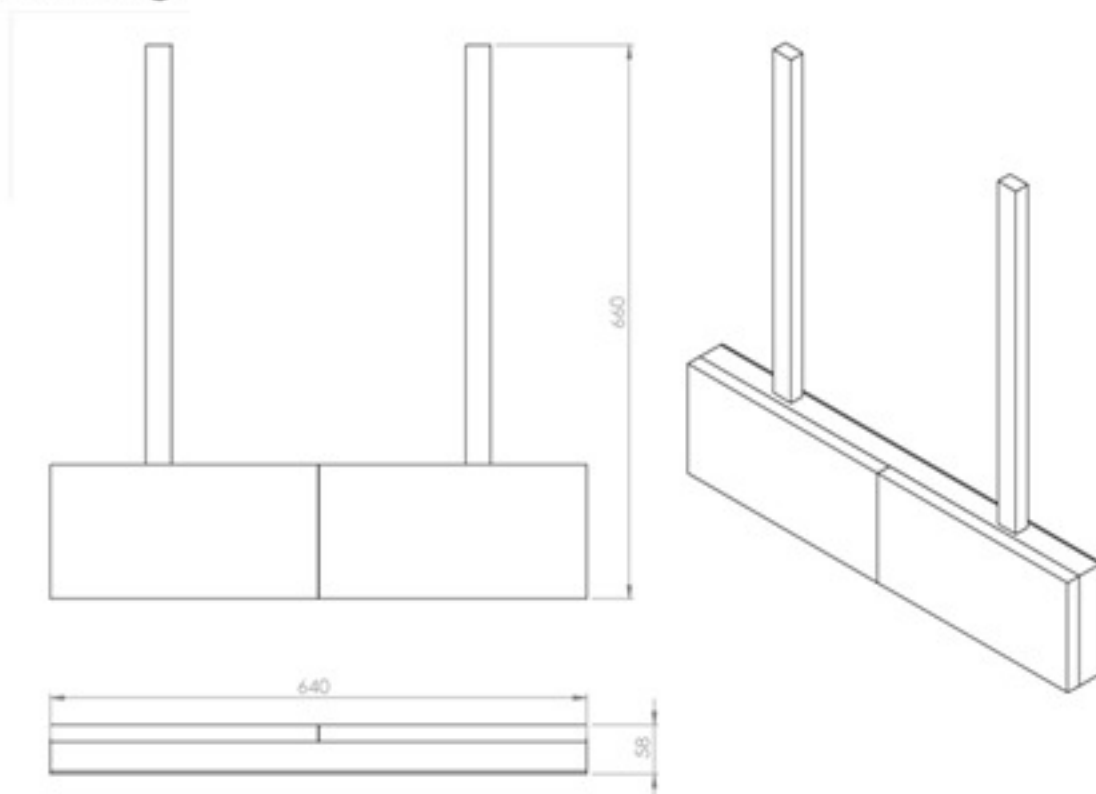


Pic. 3 LED display controller and power supply. TOP view.

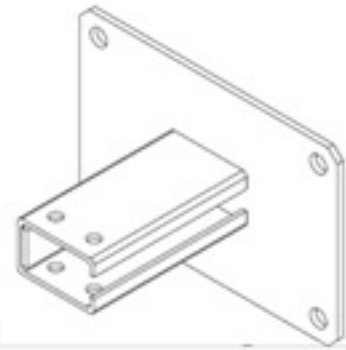
6 Work

- 6.1 To enable TEST mode press RESET button and hold for 10 seconds. After that LED display show "- - -", and begin test with "123" and counting up.
- 6.2 To reboot zone controller press RESET button.
- 6.3 To reset to factory settings and default IP (192.168.1.32), press RESET button and hold it for more than 30 seconds.

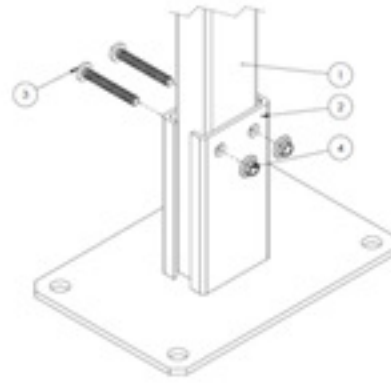
7 Mounting



Pic. 4 Led display dimensions



Pic. 5 Led display mounting pad



Pic. 6 Led display mounting pad assembly

8 Maintenance

LED display controller is not protected against dust and direct water. Please keep clean and dry display case.

9 Warranty

The manufacturer guarantees within 24 months from the date of purchase under normal use.

10 Operating mode indicators

Power of the device is ok – Status LED on.

11 Information about manufacturer

