InfoSWing EPL-05

Electronic stop LED panel

- **Information displayed on real time basis by means of text and graphic information**
- **Automatic regulation of LEDs depending on ambient light**
- **Automatic demisting and defrosting of front glass**
- **Transmitter receiver for blind, acoustic output**
- **Remote administration and monitoring, energy saving operation**
- **Double sided data transmission including video and audio through optical data network or GSM**
- **Possible Wi-Fi connection of passengers on stop**

GENERAL DESCRIPTION

InfoSWing EPL-05 is stop LED panel, which is designed for displaying of information for passengers on public transport stops. Passengers receive on real time basis current information on times of vehicles arrivals or delays.

TECHNICAL DESCRIPTION

Stop panel is installed on public transport stop, where it provides current information on state of line. Based on knowledge of actual position of MHD vehicle (according to GPS), the panel displays current arrival time of vehicle.

The panel displays text and simple graphic symbols. For example, messages about current changes in traffic. It is divided into two parts. Greater part displays information about status of vehicles arrival. The second smaller part displays exact time or current temperature. If necessary, both parts can be replaced by random text. Maximum readability of displayed information is assured automatically based on ambient light conditions. Under adverse climatic conditions, the front glass is automatically demisted and defrosted.

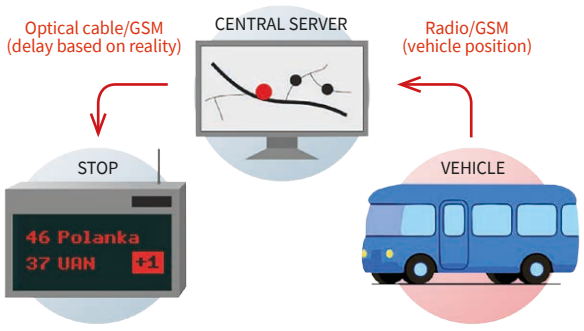
Every EPL-05 panel has integrated command receiver of signal from transmitters for blind with extended range and interference immunity. Voice communication is assured by built-in water-proof loudspeaker. This enables playing of acoustic record and also direct operator reporting to passengers on given stop.

For double-sided communication between EPL-05, traffic control and panels mutually, within system of panels on one stop, there are used metallic or optical networks Wi-Fi, LTE, ETH. Passengers on stops are provided with Wi-Fi connection. Internal stand-by battery enables to use panel functions even after failure of power supply network. For the case of failure of GSM communication with centre, panels are fitted with off-line version of stop schedules. During the failure, time of lines arrival displays according to actual time.

For securing against willful damaging, the front part of the panel is covered by special, very durable and resistant safety glass with ceramics print on internal side. To secure safety of passengers on stop and to protect furnishing of the stop and the panel itself against damaging, the device is equipped with Full HD camera with infrared dim light and sensor. If necessary, this sensor will immediately start automatic monitoring of panel surrounding and sends alarm message to traffic control. In addition, camera enables also analyses of image, for example for detection or counting of persons on stops. Panel frame is made of aluminum profile with surface treatment.

BASIC TECHNICAL PARAMETERS

Supply voltage	230 V AC / 50 Hz
Power input	average 60 W, max. 200 W
Number of lines	max. 5 (160 × 10) and 1 (64 × 10)
Number of display points	8 640 (160 × 50 and 64 × 10)
Light point diameter	3 mm
Spacing of LEDs	4,6 mm
Colour of LED	orange (other colors per agreement)
Support of diacritics	yes
Data communication	LTE/GSM/GPRS/WCDMA/HSPA/UMTS/EDGE GPS; Wi-Fi a/b/g/n 2,4 and 5 GHz/Ethernet
Integrated loudspeaker	15 W / 4 Ohm
Movement sensor	signalization of panel attack
Camera	Full HD – angle 120° with IR dim light
Temperature sensor	indoor and outdoor
Ambient temperature	–25 °C to +55 °C
Storage ambient temperature	–40 °C to +70 °C
Sensor of illumination	panel brightness control based on outdoor light
Receiver of blind	for starting of acoustic output
Wi-Fi hotspot	yes
Protection by enclosure	IP 54
Dimensions	950 × 650 × 100 mm
Weight	30 kg
Design	acc. to ČSN EN 50125-3



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