

# PASSENGER INFORMATION DISPLAY (PID)

Provide pertinent real-time information in any language or symbol.



High resolution LED display panel to provide public transport information display. Can be used at Bus stations, railway stations and places of public interests.

**Features:**

- High resolution, tri color display for public transport information display at public locations.
- Multiple animation features to improve message delivery to passengers.
- Wide viewing angle of up to 150 degrees allows visibility from all sides.
- Robust communication protocol for high speed, error free communication with the PID.

**Product Description:**

Information display panel can be used in public places to display information of public interests such as arrival and departure times of public transport and announcements.

Message can be displayed in Red, Amber and Green colors.

Up to 5 lines can be displayed on Type S and 17 lines on Type L.

Full matrix display capability allows messages in multiple languages to be displayed at the same time.

Operating temperature of 0°C to 65°C allows PID to be installed in indoor or semi outdoor environments with appropriate enclosures to suit the application.

7 step automatic brightness control system will be able to adjust to ambient light conditions to optimize readability.

Up to 4 pages of display can be stored in the local controller to enable display selection. Page viewing time can be changed.

Can generate alarms on critical component failures like ventilation fan, power supply and display elements. This enables remote management of the PID.

Supporting back end system for vehicle tracking and travel time calculation are also available as options.

## Information Display Panel Technical Specifications

	Characteristic	Type S	Type L	
	<b>Display Panel Specification</b>	Display Colour	Single Colour : Red Amber, Green.	Single Colour : Red Amber, Green.
Display Elements		LED with wide viewing angle	LED with wide viewing angle	
LED Size		1.9mm	1.9mm	
Viewing Capability		150 degree (Horizontal)	150 degree (Horizontal)	
<b>Route Number Panel</b>		Configuration	Full Matrix	Full Matrix
		Type of displayed Characters	Alphanumeric, Bitmap...	Alphanumeric
		Number of Character Lines	5 Lines	17 Lines
		Number of Character / Lines	30 characters	16 characters
		Character Size	Approximately 53.34mm (H) x 33.02mm (W)	Approximately 53.34mm (H) x 33.02mm (W)
		Character Resolution	21 (H) x 13 (W)	21 (H) x 13 (W)
		Resolution	140 (H) x 480 (W)	476 (H) x 320 (W)
		Pixel Pitch	2.54mm (H) x 2.54mm (W)	2.54mm (H) x 2.54mm (W)
Active Screen		356mm (H) x 1219mm (W)	1209mm (H) x 813mm (W)	
Viewing Distance Minimum		5 meters	2 meters	
Brightness Control		7 steps, auto / manual	7 steps, auto / manual	
LED Life Span	100,000 hours	100,000 hours		
Operating Temperature	0°C to 65°C	0°C to 65°C		
<b>Overall Panel Specification</b>	Chassis Colour	Black	Black	
	Type	Indoor + outdoor	Indoor + outdoor	
	Overall Display Panel	Full Matrix Free Display	Full Matrix Free Display	
	Luminous Intensity	Max 250 cd/m <sup>2</sup>	Max 250 cd/m <sup>2</sup>	
	Overall Dimension	As per drawing	As per drawing	
	Ventilation & front access	Must be provided with natural air circulation system	Must be provided with natural air circulation system	
	Rear & front access for maintenance	Required	Required	
<b>Data Communication</b>	Communication port	RS232	RS232	
	Message Selection	Pre-stored messages Capacity : 4 pages	Pre-stored messages Capacity : 4 pages of information	
<b>Electrical</b>	Power Consumption	300W max	700W max	
	Electrical Input	230VAC, 50Hz	230VAC, 50Hz	
<b>Display System</b>	Display controller	Microcontroller based	Microcontroller based	

