TECHNICAL SPECIFICATION

ATREYO®
SOLUTIONS THAT SIMPLIFY

Atreyo inBus LED Display – front | ABD-180



Features

- High brightness
- Amber colour
- Opto-isolated RS485 communication
- Any font type support
- Any language support
- Brightness setting
- Aluminium body

The ABD-180 is LED bus route and destination display. This model is designed to be mounted on the front of bus. Amber colour make it high visible from long distance. The display support flexible real time modification of message and the display region size. Aluminium lightweight structure make ABD-180 more safe. Communication to the OBU is over isolated and full protected RS485 interface.

Description	Parameter
Body size	1874mm x 278mm
Display area	1808mm x 212mm
Resolution in pixels	143 (H) x 16(V) (16 rows x 143 columns)
Colour	Amber, 591 to 595 nm dominant wavelength
Pitch	13mm (H) x 13mm (V)
Character height	208mm
Brightness	In-built light sensor to vary brightness based on ambient light conditions.
Communication Interface	RS485, opto-isolated with ESD protection
Font support	All font types, all alphabets
Pictograms	Support pictograms and special signs

Description	Parameter
Display line setting	Individual heights of each line are adjustable to enable one line to be larger/smaller than the second line.
Display options	fixed, scrolling and flashing mode
Power Supply	9V-36V DC Reverse polarity, over-voltage protection
Power Consumption	40 W max (maximum brightness)
Enclosure material	Aluminium cabinet, powder coated finish with toughened glass/acrylic glass at front
Environmental Specifications	IP65 Operating Temperature: -10°C to +70°C Humidity: 5% to 95% RH

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