



Features

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

The ABD-94 is LED bus route and destination display. This model is designed to be mounted on side/back of bus, but also can be used as front display in small buses. 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-94 more safe. Communication to the OBU is over isolated and full protected RS485 interface.

Description	Parameter
Body size	1011mm x 278mm
Display area	945mm x 212mm
Resolution in pixels	96×16 pixels (16 rows x 96 columns)
Colour	Amber, 591 to 595 nm dominant wavelength
Pitch	9.8mm (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
Display line setting	Individual heights of each line are

Description	Parameter
	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	30 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

Copyright

Copyright © 2021 Atreyo Research and Development LLP. This technical specification is protected under national and international copyright laws. No part of this user manual may be reproduced, distributed, translated, or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or storing in any information storage and retrieval system, without the prior written permission of Atreyo Research and Development LLP. Copy or use any part of this specifications is prohibited without the prior written permission from the Atreyo Research and Development LLP. Atreyo Research and Development LLP shall not unreasonably withhold or deny such consent but shall be entitled to receive additional equitable remuneration in connection with its grant of consent.

Trademarks

Atreyo and the Atreyo logo are registered trademarks of Atreyo Research and Development LLP.

All other trademarks and copyrights are the property of their respective owners.

Disclaimer

- All dimensions mentioned in the drawings are not to scale and may vary/differ due to construction contingencies and site conditions which are subject to change as may be decided by the company.
- The specifications and amenities mentioned in this document and promotional documents are only representational and informative. The descriptions in this specification are based on the default configuration of your device.
- Images used in this specification may differ in appearance from the actual product.
- The Atreyo Research and Development LLP reserves rights to make additions, deletions, alterations or amendments as and when it deems fit and proper, without any prior notice.