



Features

- On/off and dimming of luminaries
- Power measurement
- Long range RF communication
- Update firmware over the air
- Mounting on standard NEMA connector
- High Voltage range
- Inbuilt antenna

The ALC-N1 is Light Controller for use in Atreyo Smart Street Light System to control light luminaries. This model is mounted directly to the luminaire with the 5 pin NEMA

socket. Controller has inbuilt power, voltage and other electricity parameter measurement. It is ideal for mount in existing infrastructure and in new installations.

Description	Parameter
Processor	ARM
Connection	RF open band/LoRa
RTC	Real time clock with battery
Setting	By command from server
Communication protocol	Encrypted custom protocol
Dimming	0-10V system
Functions	<ul style="list-style-type: none"> • Luminaries on/off with 0 detection • Luminaries brightness control • Stand alone schedule system
Update	Over the air from server
Antenna	Internal antenna
Measurement	<ul style="list-style-type: none"> • Voltage

Description	Parameter
	<ul style="list-style-type: none"> • Ampere • Wattage • Power factor • Frequency • Internal temperature
Grouping support	16 group support
Powers Supply	85-515V AC 50-60Hz
Power Consumption	2W average
Device enclosure	UV resistant ABS cap
Device mounting	Standard NEMA connector 5 pin
Environmental Specifications (self compliance)	Operating Temperature: 0 to +70°C Humidity: 5% to 95% RH IP65



Copyright

Copyright © 2019 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 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.