

The **SL-RMU** is a connectivity device that allows products without internal telemetry hardware to still be able to communicate with overarching control and monitoring systems.

Key Features:

- Enables data transfer and communication via a SATCOM interface.
- Integrates Sealite products into the Star2M platform via the Iridium satellite network.
- Low and high current options.
- Standalone mechanical assembly suitable for pole or wall mounting.

Standard	I/O	Serial Communication Interface	Input Power Monitoring	Solar Charge Monitoring	Load Monitoring	SATCOM
	General Purpose Input Output					



Communication Enabling Device

Data transfer and bi-directional communication is enabled using the RMU for control and monitoring or asset management.

SATCOM Availability for Non-Telemetry Devices

RMU provides the bridging solution to connect assets to Star2M via the Iridium satellite network.

General Purpose Inputs and Outputs

Supplied as standard, RMU supports a minimum of four discrete IOs (2 Input, 2 Output) for setting up alarms or monitoring.

Serial Communication Interface

Transmits the battery voltage, load and solar charge information of connected lanterns or power supplies for asset monitoring.

Alarm Configuration

Current and voltage sensors can be enabled to transmit data to Star2M for daily updates on asset health or initiate alarms for investigation and action.

The RMU can be pole or wall mounted for installation convenience.



SL-RMU

DC

Electrical Characteristics

Input Voltage	12 - 48 VDC	
Operating Temperature	-40 to 55°C	
Max Rated Load	Low Current: 3A	High Current: 12A
Max Rated Charge	Low Current: 3A	High Current: 12A

Power Consumption

Peak	8.66W
Average	0.07W

Interfaces

Standard	- Serial Communication Interface (cable included) - Battery Voltage Monitoring - Solar Charge Monitoring - Load monitoring - Discrete IO via General Purpose Input/Outputs (2 Input / 2 Output) - Satellite Communication
Control and Monitoring	Star2M

Physical Characteristics

Body Material	White, ASA UL94HB
Height (mm/inches)	
• Enclosure	64.92 / 2.56
• SATCOM Antenna	36.50 / 1.44
Width (mm/inches)	
• Enclosure	280 / 11.02
• SATCOM Antenna	78 / 3.07
Depth (mm/inches)	
• Enclosure	200 / 7.87 (excluding mounting bracket)
• SATCOM Antenna	78 / 3.07
Mass (kg/lbs)	
• Enclosure	1.559 / 3.437 (excluding mounting bracket)
• SATCOM Antenna	0.152 / 0.336 (Antenna + Cable)
Service Life	12+ years

Environmental Standards

Shock	MIL-STD-202G, method 213B
Vibration	MIL-STD-202G, method 204D
Humidity	0 to 90%

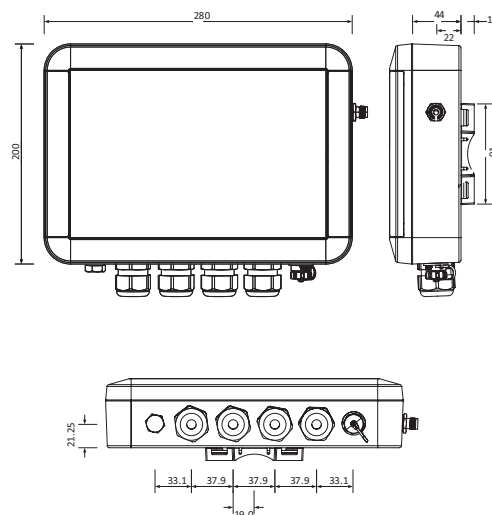
Compliance

CE	EN 301489-1/17/19/20/52 EN 301908-1, EN 300328, EN 301441, EN 303413, EN 62311 EN 61000-6-2: 2019, EN 61000-6-4: 2020
FCC (North America)	FCC Part 15B /ICES 003
Quality Assurance	ISO9001:2015
Protection Rating	IP67

Other

Trademarks	Sealite® and Star2M® are registered trademarks of Sealite Pty Ltd
Warranty *	3 years
Terms and Conditions	Warranty Terms and Conditions available on www.sealite.com

Technical Illustrations



Ordering This Product

SL-RMU-[XX]



1 Product Name

2 Option Configuration

00 SAT, Low Current

01 SAT, High Current



Want to monitor, maintain, manage and control your assets? [Click here](#)



* Specifications subject to change or variation without notice
* Subject to standard terms and conditions
^ Refer to the Sealite website under the warranty section