

# ATLP200-001



## Lightning Protection Unit

- Provides lightning protection for RET controller and RET components
- Lightning surge capability of 10 times at 600 A, 10/350 waveform
- Equipped with a grounding stud for added lightning protection
- Easily mounts to a pole or wall
- AISG and RoHS compliant

### OBSOLETE

This product was discontinued on: March 31, 2021

## Product Classification

**Product Type** Protection unit

## General Specifications

|                                       |   |
|---------------------------------------|---|
| <b>AISG Input Connector</b>           | 8-pin DIN Male                            |
| <b>AISG Input Connector Quantity</b>  | 1   |
| <b>AISG Output Connector</b>          | 8-pin DIN Female                          |
| <b>AISG Output Connector Quantity</b> | 1   |
| <b>Color</b>                          | Gray                                      |
| <b>EU Certification</b>               | CB   CE   Low Voltage Directive 73/23/EEC |
| <b>Grounding Lug Thread Size</b>      | M8  |

## Dimensions

|               |                     |
|---------------|---------------------|
| <b>Height</b> | 50.8 mm   2 in      |
| <b>Width</b>  | 185.4 mm   7.299 in |
| <b>Depth</b>  | 157.5 mm   6.201 in |

## Electrical Specifications

|  |   |
|--|---|
| <b>Circuit Insertion Resistance, Power Lines, maximum</b>  | 0.5 ohm   |
| <b>Circuit Insertion Resistance, Signal Lines, maximum</b> | 1 ohm   |
| <b>Electrical Safety Standard</b>                          | EN 60950   UL 60950                             |
| <b>Electromagnetic Compatibility (EMC)</b>                 | EN 55011   EN 61326-1   ETS 300 386 V1.3.2 2003 |
| <b>Interface Protocol Signal</b>                           | Data   dc                                       |

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|  |   |
|--|---|
| <b>Lightning Surge Capability</b>                      | 10 times @ 600 A                          |
| <b>Lightning Surge Capability Test Method</b>          | IEC 61312-1 Annex B Current Pulse Profile |
| <b>Lightning Surge Capability Waveform</b>             | 10/350 waveform                           |
| <b>Overcurrent Protection Type</b>                     | PTC fuse                                  |
| <b>Protected Side Clamping, +12V Nominal Voltage</b>   | +17 V to -0.6 V                           |
| <b>Protected Side Clamping, +24 V Nominal Voltage</b>  | +28 V to -0.6 V                           |
| <b>Protected Side Clamping, -48 V Nominal Voltage</b>  | +0.6 V to -58 V                           |
| <b>Protected Side Clamping, RS-485 Nominal Voltage</b> | ±10 V                                     |
| <b>Protocol</b>  | AISG 1.1   AISG 2.0                       |

## Material Specifications

|                      |                            |
|----------------------|----------------------------|
| <b>Material Type</b> | Aluminum   Stainless steel |
|----------------------|----------------------------|

## Environmental Specifications

|                                       |   |
|---------------------------------------|---|
| <b>Operating Temperature</b>          | -40 °C to +65 °C (-40 °F to +149 °F)        |
| <b>Relative Humidity</b>              | Up to 100%                                  |
| <b>Ingress Protection Test Method</b> | IEC 60529:2001, IP65                        |
| <b>Rain Simulation Test Method</b>    | IEC 60068-2-18, Test Condition Ra, Method 1 |
| <b>UV Resistance Test Method</b>      | IEC 60068-2-5, Test Condition B             |

## Packaging and Weights

|                    |  |
|--------------------|--|
| <b>Included</b>    | Band clamp   Carriage bolts   Hex nuts   Lightning protection unit   Lock washers   Pipe mount bracket   Wall mount brackets |
| <b>Weight, net</b> | 1 kg   2.205 lb  |

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| CHINA-ROHS    | Below maximum concentration value  |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system   |
| REACH-SVHC    | Compliant as per SVHC revision on <a href="http://www.andrew.com/ProductCompliance">www.andrew.com/ProductCompliance</a> |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |



