

RADWIN

Outdoor Lightning Protection Unit

Data Sheet

RW-9924-0108/9

Product Description

- » RADWIN RW-9924-0108 is an external lightning protection unit supporting data and signal surge protection over PoE.
- » Supports RADWIN product portfolio
- » RW-9924-0108 incorporates high-power gas discharge tube and current transistor protection in a single protector unit.

Product Highlights

- » Support data rates of up to 1000Mbps
- » Enclosure rating of IP55 for all outdoor conditions
- » Small form factor
- » High data voltage protection
- » Fast response with RADWIN outdoor and in-door products
- » Pole and Wall mounting kits
- » Simple installations, ease of operation and maintenance

Product Specifications:

Compatible interfaces	10/100/1000BaseT, 2.5Gbps
Data rates	Up to 1000Mbps
Connection type	RJ45 CAT5e STP (Shielded)
Pin-out	8 wires + shielding
Pins protected	All
Response time	<5 microseconds (with ODU)
Impedance	90 to 110 Ohm
Nominal operational voltage	48VDC
Maximum operational voltage	60VDC – 650 mA
Maximum continuous current	1A
Nominal Discharge currents	
Line to Line	500A @ 8/20 μ s
Line to Ground	2000A @8/20 μ s
Impulse discharge current	
10000 A, 8/20 μ s	> 5 operations
2000 A, 10/350 μ s	1 operation
200 A, 10/1000 μ s	> 300 operations
200 A, 10/700 μ s	> 500 operations
Impulse spark-over	
DC Spark-over \pm 20 % @ 100 V/s	150 V
100 V/ μ s	350 V
1000 V/ μ s	500 V
Capacitance	< 2 pF
DC Holdover Voltage	80V
Environmental	
Operating temperature	-40 to +60
Storage temperature	-50 to +70
Enclosure rating	IP55
Humidity	100% non-condensing
Other	
Enclosure	Metal
Connection to bonding Network	Screw
Dimensions	98.4 x 51.9 x 47.8 mm / 3.87" x 2" x 1.89"
Weight	220 gram / 49lbs

Product ordering:

Product Number	Name/Description
RW-9924-0108	Outdoor Lightning Protection Unit for 10/100/1000Base-T PoE surge protector (including 0.5m CAT5e cable and stainless steel pole mounting band)
RW-9924-0109	Kit of 10 Outdoor Lightning Protection Unit for 10/100/1000Base-T PoE surge protector (including 0.5m CAT5e cable and stainless steel pole mounting band)

Datasheet information can be changed by manufacturer without prior notice