



## Outdoor Lightning Arrestor Kit (For TEW-455APBO)

### TEW-ASAL1

The Outdoor Lightning Arrestor Kit protects your network from lightning strikes and electrical surges. It is compatible with devices that have N-Type connectors. Use the Outdoor Lightning Arrestor Kit to connect a wireless device, such as TRENDnet's High Power Wireless Outdoor PoE Access Point (TEW-455APBO), to an external antenna and protect your entire network from catastrophic electrical surges.

Multiple lightning strike and bi-directional features provide power protection from unpredictable weather conditions. 802.11a/b/g wireless standards are supported. Installation is simple and fast. A universal mounting kit, with all required hardware included, gives administrators the option to secure this device to walls, ceilings, poles and other outdoor structures.

## FEATURES

- Protects TEW-455APBO from lightning strikes and other electrical surges
- Multiple lightning strike ready and Bi-Directional support helps protect devices from the erratic and unpredictable nature of lightning storms
- Cables and connectors within the box for flexible connections between rigid outdoor devices and outdoor antennas
- Simple wall mount installation
- No configuration or installation software required—simply plug in and play
- 3-year warranty

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### SPECIFICATIONS

#### Surge Arrestor

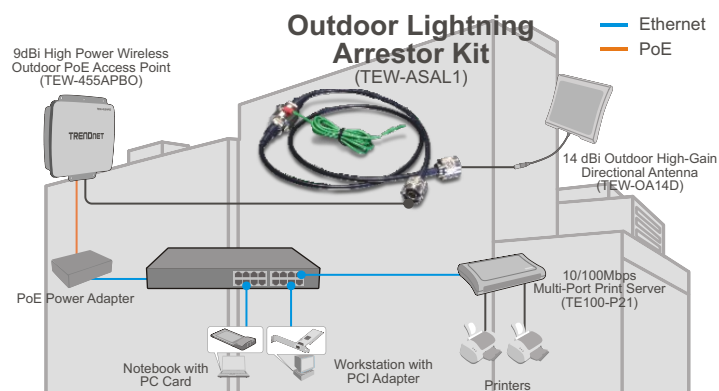
Electrical Specifications	
Frequency Range	• DC ~ 3GHz
Tensile Strength	• 50Kg
VSWR	• 1.5:1 Max (DC-3GHz)
Insertion Loss	• 1.3dB Max (DC-3GHz)
DC Breakdown Voltage	• 90V + 20%
Impulse Discharge Voltage	• 5KA min (wave 8/20 $\mu$ s) • 10KV min (wave 1.2/50 $\mu$ s)
Impedance	• 50 $\Omega$
Insulation Resistance	• DC 50V > 10000M $\Omega$
Mechanical Specifications	
Connector Interface	• N-Type male to N-Type male
Body Material	• Copper
Temperature	• - 20°C ~ 70°C (-4°F ~158°F)
Cable Length	• 42 inches (1.1meter)
Weight	• 230g (8oz)
Grounding Wire Cable Specification	
Wire Cable	• 18 AWG
Rating Voltage	• 600V
Rating Temperature	• 105°C (221°F)
Conductor Resistance	• 6.64 MO/KFT 20°C
Insulation Resistance	• 2.5 MO/KFT 20°C, in water
Voltage Withstand Test	• 2 KV/min, in water
Extension Cable Spec	
Inner Conductor (Solid BCCS)	• 0.037 in. (0.94mm)
Dielectric (Foam PE)	• 0.110 in (2.79mm)
Outer Conductor (Aluminum Tape)	• 0.116 in (2.95mm)
Overall Braid (Tinned Copper)	• 0.139 in (3.53mm)
Jacket (PE)	• 0.195 in (4.95mm)
Bend Radius: Installation	• 0.5 in (12.7mm)
Bend Radius: Repeated	• 2.0 in (50.8mm)
Bending Moment	• 0.2 ft-lb (0.27 N-m)
Weight	• 0.021 lb/ft (0.03 kg/m)
Tensile Strength	• 40 lb (18.2 kg)
Flat Plate Crush	• 15 lb/in. (0.27 kg/mm)
Cut-off Frequency	• 41 GHz
Velocity of Propagation	• 80%

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Extension Cable Spec	
Dielectric Constant	• 1.56
Time Delay	• 1.27 nS/ft (4.17 nS/m)
Impedance	• 50 ohms
Capacitance	• 25.4 pF/ft (80.3 pF/m)
Inductance	• 0.064 uH/ft (0.21 uH/m)
Shielding Effectiveness	• > 90 dB
DC Resistance (Inner Conductor)	• 7.6 ohms/1000ft (24.9 ohms/km)
DC Resistance (Outer Conductor)	• 4.9 ohms/1000ft (16.1 ohms/km)
Voltage Withstand	• 1000 Volts DC
Jacket Spark	• 3000 Volts RMS
Peak Power	• 2.5 KW
Storage Temperature range	• -70°~85° (-94°~ ~185°)
Operating Temperature range	• -40°~85° (-40°~ ~185°)

## OUTDOOR ARRESTOR SOLUTION



## PACKAGE CONTENTS

- TEW-ASAL1
- Multi-language quick installation guide
- Grounding wire
- Weather proof tape

## RELATED PRODUCTS

TEW-455APBO	19dBi High Power Outdoor PoE Access Point
TEW-AO14D	14 dBi Outdoor High-Gain Directional Antenna
TEW-AO19D	19 dBi Outdoor High-Gain Directional Antenna
TEW-AO08O	8dBi Outdoor Omni-Directional Antenna
TEW-AO10O	10dBi Outdoor Omni-Directional Antenna

## ORDERING INFORMATION

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