



Smart Panel™

Superior Surge Protection Performance:

- Bulkhead-Mounted RF Protectors
- True Single Point Ground by Design
- Low Inductance Ground Plate For Control of Ground Potential Rise

Designed for Easy Installation:

- Eliminates External Coaxial Grounding Kits
- Eliminates Internal Lightning Protector Trapeze
- Can Accommodate EWG-Data-DC-Fiber Entry Ports
- Works With 4 - 8 Inch Wall Thickness
- Most Prep Work Can Be Performed Off Site
- Minimal On-Site Labor Costs

No Outside Exposed Copper - Addresses Theft Issues



Intelligently designed to effectively conduct lightning current to earth ground while balancing the need for security and economy



Lightning and Surge Protection for The 21st Century™

Times Microwave Systems introduces a revolutionary concept in shelter and base station entrance panels. Designed to eliminate traditional entrance panel shortcomings and improve surge protection of expensive base station equipment, the Times-Protect™ Smart-Panel™ offers major advantages compared to traditional installation methods.

The Times-Protect™ Smart-Panel™ provides for single point grounding and eliminates costly and time consuming cable ground kits. The external copper master ground bar is also eliminated so there are no copper parts to steal outside the shelter. Inside the shelter the installation is simplified and cost reduced by the elimination of the lightning protector trapeze. Bulkhead mounted Lightning Protectors eliminate added trapeze ground lead inductance, creating a perfect return path for surge currents during a Lightning event.

The completely weatherized Times-Protect™ Smart-Panel™ adjusts to the shelter wall thickness and is supplied with all the necessary installation hardware as well as a heavy duty copper internal master ground bar and a low inductance ground plate.

The Times-Protect™ Smart-Panel™ is constructed of powder-coated heavy duty aluminum and is available in both 12 and 24 port designs and either type N or 716 DIN bulkhead mount configurations. A copper version is also available. All designs can also accommodate EWG, Cat 5 data, DC or Fiber entry ports.

Times-Protect™ Smart-Panel™ Series:

Part Number	Configuration
LP-SP-12N	12 port N hole
LP-SP-12D	12 port 716 DIN hole
LP-SP-24N	24 port N hole
LP-SP-24D	24 port 716 DIN hole



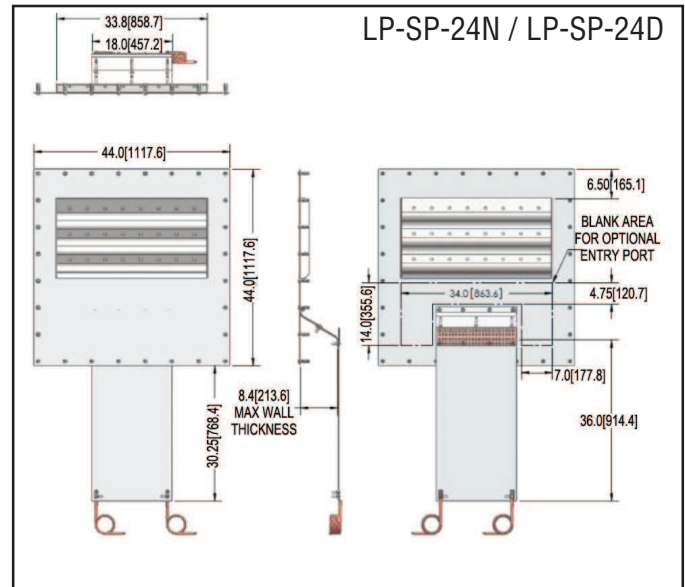
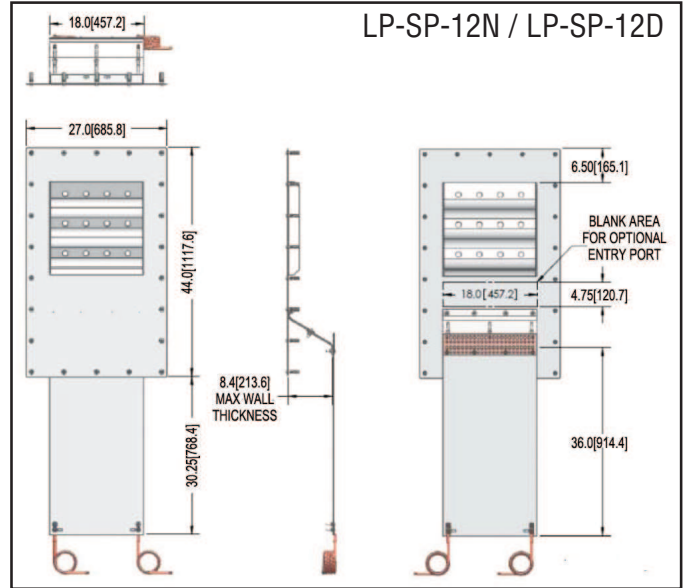
Included Installation Hardware

- 3/8" x 2" tamper Resistant Galv Lag Screw
- 3/8" Short Galv Lag Shield
- 3/8" x 1-3/4" Tamper Resistant Bolt
- 3/8" SS Flat Washer
- 3/8" Lock Washer
- 3/8" SS Hex Nut
- Ground Lug 2/0 AWG
- Tamper Resistant Wrench
- Hole Cutout Template



Available Accessories

- Lightning Protectors
Based on Network Requirements
- Feed Through Connectors:
LP-FT-DFDF (DIN Feed-Through)
LP-FT-NFNF (N Feed-Through)
- Blank Hole Plugs:
LP-DP (DIN Hole Plug)
LP-NP (N Hole Plug)



Specifications

Material:	6061-T6
Master Ground Bar:	C110 Copper
Finish:	Powder Coat
Weight (lbs):	50 (12 Port) 58 (24 Port)



World Headquarters: 358 Hall Avenue, Wallingford, CT 06492 • Tel: 203-949-8400, 1-800-867-2629 • Fax: 203-949-8423
 International Sales: 4 School Brae, Dysart, Kirkcaldy, Fife, Scotland KY1 2XB UK • Tel: +44(0)1592655428
 China Sales: No. 318 Yuan Shan Road, Shanghai 201108 China • Tel: 86-21-51761234 • Fax: 86-21-64424098
www.timesmicrowave.com

