

## Installation Steps

1. Turn off power to all connected equipment. If it is not possible to turn off the connected equipment, be sure to work with only one connector at a time.
2. The unit has two RJ-45 jacks: one on the network (wall) side and one on the equipment (user) side. Connect an RJ-45 Ethernet cable to the RJ-45 jack on the network side of the wallplate isolator.
3. Install the unit in a standard single-gang electrical box with the supplied mounting screws.
4. Using a second Ethernet cable, complete the network connection to the RJ-45 jack on the front of the wallplate.

## Troubleshooting

If you determine that your Isolated Ethernet Wallplate is malfunctioning, do not attempt to alter or repair the unit. It contains no user-serviceable parts. Contact Black Box Technical Support at 724-746-5500 or [info@blackbox.com](mailto:info@blackbox.com).

If you need to transport or ship your Isolated Ethernet Wallplate:

- Package it carefully. We recommend that you use the original container.
- If you are returning the unit, make sure you include everything you received with it. Before you ship for return or repair, contact Black Box to get a Return Authorization (RA) number.



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SP4000A, rev. 1

**FREE, live, 24/7 Tech Support is just 30 seconds away.**  
**724-746-5500 | [blackbox.com](http://blackbox.com)**

## Isolated Ethernet Wallplates

# Isolate Ethernet communications in compliance with EN60601-1 standards.



### Specifications

**Application:** SP4000A, SP4010A: 10/100/1000 Ethernet;  
SP4001A, SP4011A: 10/100 Ethernet

**Finish:** SP4000A–SP4001A: Stainless steel;  
SP4010A–SP4011A: Plastic

**Interface:** 10BASE-T, 100BASE-TX;  
SP4000A and SP4010A also have: 1000BASE-T 8-wire

**Isolation:** Up to 4 kV

**Safety Compliance:** European Medical Device Directive,  
General requirement for safety standard EN60601-1:2006

**Standards:** IEEE 802.3i, 802.3u, and 802.3ab; RoHS

**MTBF:** >100,000 hours

**Operating Environment:**  
Temperature: 32 to 158° F (0 to 70° C)  
Humidity: 0 to 95%, noncondensing

**Connectors:** (2) RJ-45

**Size:** 4.5"H x 2.75"W x 2.25"D (11.4 x 7 x 5.7 cm)

**Weight:** 0.6 lb. (0.3 kg)

### Overview

This wallplate has been designed for compliance with the European Medical Device Directive EN60601-1 and is for use with third-party certified equipment. When properly installed, these products provide electrical isolation per EN60601-1 requirements.

### What's included

- 10/100/1000 or 10/100 wall-mounted surge protector
- Mounting screws
- This specification sheet

For installation instructions, turn this page over...

### Customer Support Information

Order toll-free in the U.S.: Call 877-877-BBOX (outside U.S. call 724-746-5500)  
FREE technical support 24 hours a day, 7 days a week: Call 724-746-5500 or fax 724-746-0746  
Mailing address: Black Box Corporation, 1000 Park Drive, Lawrence, PA 15055-1018  
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