



Market Central[®]
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10/100 & 10/100/1000 Ethernet Isolators Standalone & DIN Rail Models



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1. Specifications

Ethernet Isolators, Wall Plate, Standalone & DIN rail

6000688 10/100 Ethernet Isolator, DIN rail mount
6000690 10/100/1000 Ethernet Isolator, DIN rail mount
6000697 10/100/1000 Ethernet Isolator, Standalone
6000698 10/100 Ethernet Isolator, Standalone with 6 inch cable
6000699 10/100 Ethernet Isolator, Standalone

System Requirements	10 MHz, 100 MHz or 1000MHz Ethernet network and compatible devices, depending on model.
Interface:	10/100 Base-T 4 wire 100/100/1000 Base-T 8 wire Complies with transformer requirements for 802.3i, 802.3u & 802.3ab networks
Isolation	up to 4 kVolts
Connectors	(2) RJ45 female jacks
Safety Compliance	designed to comply with European Medical Device Directive, general requirements for safety standard EN60601-1:2006
Power	none required
MTBF	>100,000 hours
Altitude Tolerance	Any
Temperature Tolerance	Operating: 32° to 158° F (0° to 70° C); Storage: -4° to 185° F (-20° to 85° C)
Humidity Tolerance	Up to 95% non-condensing
Dimensions	1.1" H x 2.4" W x 2.25" D (standalone models) 1.0" H x 2.4" W x 2.95" D (DIN rail models)
Weight	0.5 lb. (standalone and DIN rail models)

2. Introduction

The 10/100 & 10/100/1000 Ethernet Isolator products are useful in maintaining high speed Ethernet communications across an electrical isolation barrier. They have been designed for compliance with the European Medical Device Directive, general requirements for safety standard EN60601-1, and are intended to be attached to third party certified equipment. When properly installed, these products provide electrical isolation per EN60601-1 requirements. The user must insure that any other requirements that apply to their particular application are also met.

3. Installation

! Improper handling of Ground circuits can be hazardous !
Take precautions when installing this device.

Ethernet cable plugs have recessed signal connections. Some Ethernet cable plugs have metal shields around them. Extra care should be exercised when using Ethernet cables having metal shielded plugs. When installing this isolator, specify cables that do not have metal shields around the plugs.

To install the 10/100 or 10/100/1000 Ethernet Isolator, take the following steps:

1. Turn off the connected equipment if possible. If it is NOT possible to turn off the connected equipment, be sure to handle only one connector at a time.
2. Connect an RJ45 Ethernet cable to the RJ45 jack on the network side of the isolator.
3. For Wall Plate units, 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 remaining RJ45 jack of the isolator.
5. This completes the installation.

4. Troubleshooting

If you determine that your Ethernet Isolator is malfunctioning, *do not attempt to alter or repair it*. Contact your supplier. Be prepared to describe the nature and duration of the problem, when it occurs, the components involved, and any application that seems to create the problem or make it worse.

If you need to transport or ship the isolator, package it carefully. Also, contact your supplier before you ship a unit for repair or return to get a Return Authorization number.

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