Ground Loop Damage Surge Filter

GLSF

Filter and remove harmful ground loop currents in the electrical and data systems reducing lockups, glitches and wide spread damage. Protect equipment fed from multiple building or multiple breaker panels within the same building.

The TPD-GLSF compliments all surge/noise suppression devices. Improve your protection system by eliminating damage to equipment caused by different ground potentials. This situation happens when communicating with remote buildings such as a guest house, pool house, cabana, green houses etc. The GLSF is the most commonly used when electronic systems communicate between separate power sources and or ground potentials. Recommend for all systems that communicate between separately derived service entrance or meter locations. If the pool house or the guest house has its own meter and you are communicating with equipment using copper between buildings, this unit is a must! The TPD-GLSF is a high frequency filter which absorbs and locks high frequency ground currents from entering into your system. These ground currents cause immediate and wide spread damage in your system if not blocked from entering into your system.

Plug In 20Amp

Hard Wired 20Amp

The TPD-GLSF offers the highest quality ground loop protection available. Strategically protect power ground pathways that are connected to network, DVR, automation or communication equipment. Installing the TPD-GLSF will reduce damage caused by surges that enter on ground wire pathways and destroy routers, hubs, phone systems and or networked devices between buildings or different ground potentials.

Specifications

Applications: Ground Wire Protection, Ground Loop Filtration

Max Current: 20 Amps

Design: Solid State fail-safe design

Warranty: 3-Year Unlimited Free Replacement

Wires Protected: Ground Wire

Response Time: < 1 nanosecond

Dimensions Plug In Model: 2.70"L x 2.25"W x 4.12"H

Dimensions Hard Wired Model: 3.00"L x 2.00"W x 1.50"H

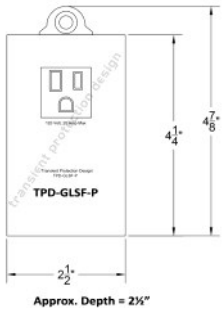
Enclosure Type: High impact non-metallic

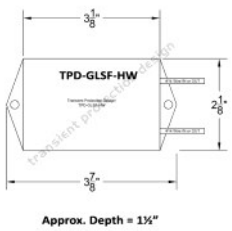
Hard Wired Connection Method: #14 wire In/Out

Mounting Method: Mounting Feet

Operating Temperature: -40° C to 85° C (-40° F to 185° F)

Weight: 0.75 lbs. (0.34 kg)





GLSF Performance Specifications

Model Number	Description	Maximum Operating Voltage	Maximum Data Rate
TPD-GLSF-HW	1 Ground Wire In/Out	7.5V	1 Gbps
TPD-GLSF-P	Plug In Version	7.5V	1 Gbps

Specifications subject to change without notice, see web site www.TPDsurge.com or latest revisions.

Customer Comments

"We figured out that the pool house had its own utility ground. After a few tests it was obvious that we were experiencing ground currents in this part of the system. After installing the TPD Ground Loop Surge Filter all issues in the pool house went away. "

"The DVR was communicating with the gate which is over 500 feet from the house. When lightning hits in the area this is the first place we have problems. We installed the TPD-CAM-BNC in conjunction with the TPD-GLSF at the DVR. Because the gate was fed from the guest house power system we knew we had a ground loop to contend with. We have not had any problems since install."

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www.TransientProtectionDesign.com

Tech Note: For installation techniques please refer to installation manual.