

Surge Protective Device

Technical Documentation



The **ASCO Model 245** is a high quality surge suppression/ filtering device that plugs into a standard duplex receptacle. This uniquely designed product contains twistable outlets for easier installation behind desks and other furniture. Model 245 protects your sensitive home or office equipment, including TVs, home theaters, satellite dishes, computers, printers, copiers, and fax machines from damaging power disturbances traveling through your wiring and into your electrical outlets.

Key Specs

- **Voltage:** 120 VAC
- **Current:** 15 Amp
- **Connection:** Multi-connection

**See Ordering Information for model number selection*

General Specifications

Operating Voltage	120 VAC, Single Phase
Operating Voltage Tolerance	+/- 10%
Operating Frequency Range	47 - 63 Hz
Peak Surge Current	39,000 Amps (8 x 20µs)
Maximum Continuous Operating Voltage (MCOV)	130 VAC (L-N)
Rated Output (Amps)	15 Amperes
Connection Type	(6) 5-15R Receptacles and 5-15P Plug
Phase Configuration	2 Wire + Gnd
Enclosure	High Impact Plastic
Modes Of Protection	L-N, L-G, N-G
Response Time	< .5 ns Normal mode
Dimensions (in / mm)	7.5" L x 4.75" W x 1.75" D [190.5 x 120.65 x 45 mm]
Weight (lb / kg)	2.0 lb [0.907 kg]
Warranty	5 Year
Certifications	UL 1449 Listed

	Low Voltage Protection	Video 1 & 2	Phone	Network
Connection Type	Type "F"	Type RJ11	Type RJ45	Type RJ45
Cables Provided	(2x), 6', Type "F" Ends	6', RJ11, Male Ends	6', RJ45, Male Ends	
Peak Surge Current	5kA (8x20us)	2kA (10x1000us)	3kA (8x20us)	
Capacitance	<12pf	<50pf	<70pf	
Protection Modes	L-G	T-R, T-G, R-G	L-G (8 Lines)	
Clamping Voltage (DC)	145V	270-350V	30V	
Attenuation	1db @ 2Ghz	N/A	N/A	

Features

- 60db Attenuation
- LED Indication
- Rotating outlets
- 39kA Total
- Ground Monitoring

Certifications

- ANSI/IEEE C62.41 Cat A & B
- UL 1449 Listed

DANGER!

Only qualified personnel should install or service this system. Electrical safety pre-cautions must be followed when installing or servicing this equipment. To prevent risk of electrical shock, turn off and lock out all power sources to the unit before making electrical connections or servicing.

Seulement le personnel qualifié doit installer ou maintenir ce système. Des précautions de sécurité en électricité doivent être suivies lors de l'installation ou de la maintenance de cet équipement. Pour éviter tout risque de choc électrique, débranchez et verrouillez toutes les sources d'alimentation de cet équipement avant de.

Installation Instructions



Step 1: Connecting Model 245 to a Duplex Receptacle

Remove the duplex receptacle mounting screw. If the duplex receptacle face plate is metal, remove it otherwise leave in place. Place Model 245 and the duplex receptacle face plate, (if plastic) over the duplex receptacle. Insert the blades of the Model 245 into the duplex receptacle. Tighten the mounting screw.

When installed in a properly grounded receptacle, Model 245's indicator light will be operational. If the indicator light does not illuminate, it means the wall receptacle has an incorrect ground. Try the Model 245 in a different wall outlet. If it still doesn't illuminate, contact the office where you purchased your Model 245.

You can reposition the Model 245 receptacles on each side to provide clearance for your power cords if needed and connect up to 15 amps of equipment load.



Step 2: Connecting your Video Electronics to the Model 245

Disconnect the video cable going to your home entertainment system. Check to make sure that the small center wire inside the video connection is straight, (not bent) and then connect it to the "IN" of one of the video suppressor connections on the Model 245. Open one of the jumper wires that came with the Model 245. Connect one end

to the "OUT" connection on Model 245 and connect the other end to the original connection on the home entertainment equipment. If you have a second video device to protect, perform the same steps using the second coaxial cable that came with your Model 245.



Step 3: Connecting your Telephone Electronics to Model 245

Disconnect the end of your telephone line where it comes out of the wall. Connect it to one of the "OUT" telephone port connections, (see diagram) on Model 245. (Note: Do not use the data port for telephone line suppression). Connect one end of the telephone line patch cord that came with the Model 245 to the "IN" line connection on the Model 245. Connect the other end to the original wall outlet.



Step 4: Connecting Network Electronics to Model 245

Disconnect the end of your network line from your computer or router. Plug the end of the line to the Model 245 network connector ports marked "IN". Connect one end of the network line patch cord that came with the Model 245 to the "OUT" connection on the Model 245. Connect the other end to your computer or router.

Troubleshooting

If, in Step 1 and 2 on the previous page, the Model 245 indicator did not illuminate:

1. Try plugging it into a different wall receptacle. If the light illuminates, then the Model 245 is operating properly and your first wall receptacle needs repair. Please contact an electrician to repair your receptacle.
2. If the Model 245 does not illuminate in a different receptacle:
 - a. Your building wiring may not contain a ground conductor. In this case, the indicator light will not illuminate but you will still have power out of the Model 245.
 - b. Model 245 may have been damaged, please contact your supplier for warranty instructions.

On a very rare occasion, your protected electronic appliance may not have power. This is an indication that the Model 245 has been overloaded and the internal fuse is damaged. In this case, please contact your supplier for any warranty repair/return instructions.

Warranty

Model 245 comes with a standard manufacturer's limited warranty on defects in materials and workmanship. The warranty provides repair or replacement appliance coverage up to a limit. Contact the office where you purchased your Model 245 for more information and warranty details.

Ordering Information

MODEL

Former Model Name

APPLICATION

245120NF015ARCNO

Islatrol SP-6TVN

Home or Office Equipment