



Model 205

## Safety Information

### Important Information

**Read these instructions carefully and look at the equipment to become familiar with the device before trying to install, operate, service or maintain it. The following special messages may appear throughout this bulletin or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.**



The addition of either symbol to a “Danger” or “Warning” safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

### **DANGER**

**DANGER** indicates a hazardous situation which, if not avoided, **will result in** death or serious injury.

### **WARNING**

**WARNING** indicates a hazardous situation which, if not avoided, **could result in** death or serious injury.

### **CAUTION**

**CAUTION** indicates a hazardous situation which, if not avoided, **could result in** minor or moderate injury.

### **NOTICE**

NOTICE is used to address practices not related to physical injury. The safety alert symbol shall not be used with this signal word.

### Please Note

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by ASCO Power Technologies for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction, installation, and operation of electrical equipment and has received safety training to recognize and avoid the hazards involved.

## Introduction

The ASCO Model 205 is a series or parallel connected Surge Protective Device (SPD) with high frequency noise attenuation. Model 205 units offer the convenience of DIN mount installations up to 10 amps. Applications include sensitive industrial equipment placed in harsh environments, etc.

### **⚠ DANGER**

#### **HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH**

- Apply appropriate personal protective equipment (PPE) and follow safe electrical work practices. See NFPA 70E, NOM-029-STPS or CSA Z462.
- This equipment must only be installed and serviced by qualified electrical personnel.
- Turn off all power supplying this equipment before working on or inside equipment.
- Always use a properly rated voltage sensing device to confirm power is off.
- Replace all devices, doors and covers before turning on power to this equipment.
- This equipment must be effectively grounded per all applicable codes. Use an equipment-grounding conductor to connect this equipment to the power system ground.
- Confirm that the Surge Protective Device voltage rating on the module or nameplate label is not less than the operating voltage.

**Failure to follow these instructions will result in death or serious injury.**



**WARNING:** This product can expose you to chemicals including DINP, which is known to the State of California to cause cancer, and DIDP which is known to the State of California to cause birth defects or other reproductive harm. For more information go to: [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### **NOTICE**

#### **LOSS OF SURGE SUPPRESSION**

- Make certain that Surge Protective Device is disconnected from the circuit it is protecting before conducting high potential insulation testing.

**Failure to follow these instructions can result in equipment damage.**

## Installation

1. Turn off all power supplying this equipment before working on or inside equipment.
2. Confirm that the unit has the same voltage rating and configuration as the power system voltage and power system voltage to which it will be connected.
3. Install the unit and cables as close as possible to the protected equipment and secure.
4. Connect the supply cables to the line side of the SPD.
5. Complete the circuit by connecting cables to the load
6. Check that all connections are secure. Remove all tools and unused hardware.
7. Replace the barrier, cover/door and/or trim to the equipment.
8. Equipment may be re-energized after all the above steps are complete.

## General Technical Specification

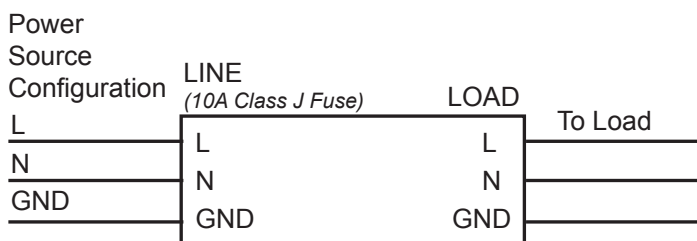
Operating Voltage	120 VAC ± 25%
Maximum Operating Current	10A
UL 1449 tested Maximum Continuous Operating Voltage (MCOV)	150V
UL 1449 tested Voltage Protection Rating (VPR)	700V (L-N), 600V (L-G, N-G)
UL 1449 tested Nominal Discharge Current (I <sub>n</sub> )	10kA
UL 1449 tested Short Circuit Current Rating (SCCR)	10kA
Peak Surge Current Rating	10kA/Mode, 20kA/Phase, 30kA/Total
Modes Of Protection	L - N, L - G, N - G
Operating Frequency Range	47 - 63 Hz
EMI Attenuation	45 dB Max
Connection Type	Series or Parallel Connected, Terminals accept 24AWG - 12AWG
Enclosure	Polycarbonate
Mounting	Snaps to standard 35mm DIN-Rail
Operating Temperature	-40°C to +60°C
Dimensions (in / mm)	0.825 x 2.36 x 2.36 in. [20.96 x 60 x 60 mm.]
Weight (lb / g)	0.13 lbs. [59.2 grams]
Certifications	ETL Listed to UL 1449 Fourth Edition
Limited warranty	5 Year

## Model Cross-Reference

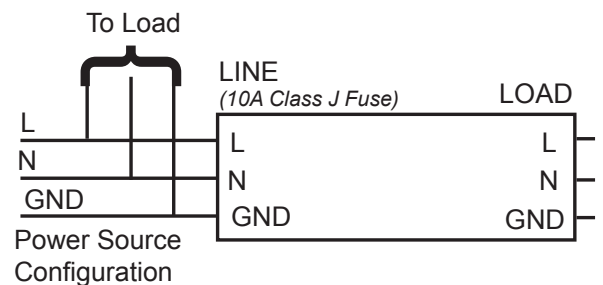
MODEL <i>Former Model Name</i>	APPLICATION
<b>205120NF010AN3D0</b> <i>Edco DIN12010</i>	120VAC, 10A Series / Parallel Connection, 35mm DIN Mount

## Connection Diagrams

### SERIES CONNECTED



### PARALLEL CONNECTED



**ASCO** Power Technologies™