

## Communications – Plug-In Applications

Dangerous power disturbances can exist anywhere in a facility. In fact, a large portion of transients are generated by equipment within a facility. Installing surge protection at the electrical service entrance and distribution panels is prudent choices and highly recommended by ASCO Power Technologies. However, in most cases these choices don't go far enough in securing overall power quality protection for individual equipment in a building. We recommend installing surge protection at specific sensitive loads and in areas exposed to external transients.

## AC Power – Point of Use

A low exposure environment can include both business and residential office settings, anywhere where computers, faxes, TVs, satellite dishes, etc are plugged into an AC outlet and susceptible to power quality issues such as extreme power surges from a lightning strike.

The **ASCO Model 245 (Islatrol SP-6TVN)** provides protection for six standard receptacles. It accommodates tight spaces due to rotating, repositionable outlets and small, flexible design. It has an operational status indicator light, which alerts for improper wiring/grounding, along with cables for telephone, video, and data line protection.



**ASCO Model 245**  
(Islatrol SP-6TVN)

Load	Part Number
Plug-In Outlet – Power/Cable/Phone/Data	245120NF015ARCNO

## Rackmount Protection

Rack-mounted surge suppressors offer a high-density method of terminating multiple inputs and outputs of sensitive electronics in equipment rooms. This reduces the cost, space and time associated with installation. In addition, rack mounting provides a convenient single-point ground.

The **ASCO Model 247 (Islatrol RM-120-10RM)** rackmount surge protector provides 10 protected receptacles on the back of the unit and two protected convenience receptacles on the front. The devices provide 40 kA of surge protection and up to 60 dB of high-frequency noise filtering. The front-mounted digital meter displays voltage, current, and power readings for the protected equipment.



**ASCO Model 247**  
(Islatrol RM-120-10RM)



**ASCO Model 160**  
(Edco RM-CX06-16R)



**ASCO Model 186**  
(Edco™ CAT6-48POE)

Load	Part Number
120V Power (12 sockets) with Metering	247120NF015ALCNO
Cameras – Head End (Up to 16 Coaxial Cables)	160D006S20KX16NO
Power over Ethernet (16 Channel) – RJ-45	186D068S10KX16NO
Power over Ethernet (48 Channel) – RJ-45	186D068S10KX48NO

## Parking Lot / Street Lighting Protection

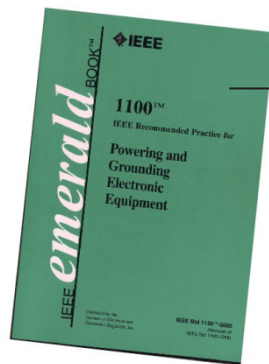
Parking lot lighting, because of its exposure to weather conditions, should have protection installed. The ASCO Model 235 Series (Edco SHAS Series) protectors easily install directly inside a light pole, are manufactured in a weather-tight enclosure and provide line and neutral to ground protection.



ASCO Model 235 Series  
(Edco SHAS Series)

Load	Part Number
Mount Inside Pole – 120V	235120NF030AWLNO
Mount Inside Pole – 240V	235240LF030AWLNO
Mount Inside Pole – 277V	235277NF030AWLNO
Mount Inside Pole – 480V	235480LF015AWLNO

## IEEE Standard



IEEE Standard 1100 Section 8.6.4 "... it is recommended that additional surge protective devices of listed Category "B" or Category "A," as specified in IEEE Std C62.41-1991, be applied to downstream electrical switchboards and panelboards, and panelboards on the secondary side of separately derived systems if they support communications, ITE, signaling, television, or other form of electronic load equipment."