

**Punch Down Block Protection**

All facilities that employ telecommunications equipment should have surge protective devices (SPDs) installed directly to the standard M1-50 punch down blocks where they terminate. Communication lines that enter or leave a facility as well as long runs over 500 feet within a building are highly susceptible to transient impulses.

ASCO brand surge protection products have been field tested in critical locations using three-stage hybrid technology and are backed by a worry-free 5-year parts warranty.



**ASCO Model 135**  
(Edco H Series)



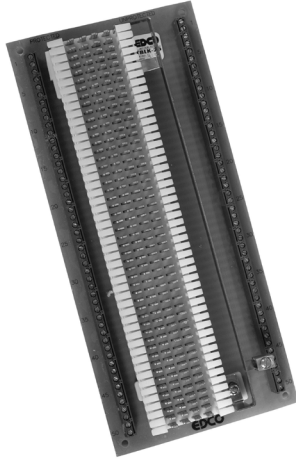
**ASCO Model 132/131**  
(Edco OPX Series)



**ASCO Model 130**  
(Edco PB Series)

Load Protected	Key Functions	Considerations	Part Number
Central Office/ Trunk/ Analog Extension	Central Office (Trunk) lines as well as outgoing extension lines. These secondary protectors are intended to be used in conjunction with proper primary protectors that reduce the threat of shock hazard.	Model 135D220 are ultra-high-speed secondary protectors constructed with solid state silicon foldback technology, polyswitch resettable fuses (PTCs) and failure fuses. The 135D220 high voltage clamping allows for the passage of ring	<b>135D220S160SPDN0</b> (Edco HCO)
Digital Extensions	Central Key/PABX systems need secondary surge protection on the digital extensions within the facility.	Model 135D065 are ultra-high-speed secondary protectors constructed with solid state silicon foldback technology, polyswitch resettable fuses (PTCs) and failure fuses. The 135D065 are specifically designed to clamp lower for digital extensions without ring voltage.	<b>135D065S160SPDN0</b> (Edco HDE)
Intercom/Speaker – Call In (>150mA)	The Call In Switch and Speaker lines of an Intercom system should be protected with modules that snap onto a standard M1-50 punch down block with access to ground.	Model 132/131 modules are low cost punch down protectors that feature high speed Silicon Avalanche technology.	<b>132D015S124SPDN0</b> (Edco OPX-CLN)
Intercom/Speaker – Speaker Circuit (>150mA)	The Call In Switch and Speaker lines of an Intercom system should be protected with modules that snap onto a standard M1-50 punch down block with access to ground.	The absence of series resistance makes them ideal for high current Intercom applications.	<b>131D056S200MPDN0</b> (Edco OPX-SPK)
Intercom/Speaker – Call In (<150mA)	The Call In Switch and Speaker lines of an Intercom system should be protected with modules that snap onto a standard M1-50 punch down block with access to ground.	Model 130 modules feature solid-state resettable fuses (PTCs) between the protected equipment and the over-voltage clamping components. This unique design prevents problems with "All-Call" in the event of catastrophic protector failure.	<b>130D021S200SPDN0</b> (Edco PBCLN)
Intercom/Speaker – Speaker Circuit (<150mA)			<b>130D070S500MPDN0</b> (Edco PBSPK)

## Branch Panels – AC Power (Economy Option)



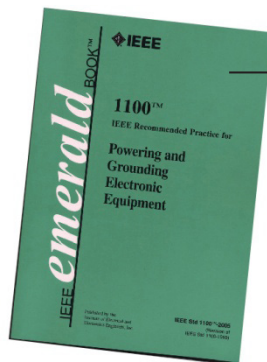
Accessory TBLK2  
(Edco TBLK-25)



Accessory MGBW  
(Edco MGBW-LUG)

Load Protected	Key Functions	Considerations	Part Number
Specialty Punch Block	Using a termination screw block, rather than a standard M1-50 block, is recommended for stranded wire or wire larger than 19AWG. It also negates the need for a punch down tool.	The TBLK2 is a high-density assembly designed to house up to 25 individual ASCO surge protection modules, including the Models 130, 131, 132, & 135 (separately ordered). The TBLK2 comes with ground rail attached, and is capable of terminating solid or stranded 26 to 14 AWG wire using compression terminal screws.	<b>TBLK2</b> (Edco TBLK-25)
Ground Rail	A convenient method of accessing ground is essential for punch down style (M1-50 block) surge suppressors.	Designed to easily attach to standard M1-50 Punch Down Blocks. The ASCO MGBW Ground Rail allows ASCO surge protection modules to access ground when snapped onto the block.	<b>MGBW</b> (Edco MGBW-LUG)

## 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."*