



489A & B Indoor Building Entrance Protector

Maximum Electrical Protection — Safely, Efficiently, Economically

Maximum electrical protection is essential for securing sensitive equipment at the building entrance terminal. CommScope's compact 489A & B Protector family provides this protection. Designed for use wherever exposed outside plant (OSP) cables enter the building, the unit provides over-voltage protection between cable and sensitive electrical devices.



The terminal weighs 30 percent less than the comparable 189 or 188. A wide range of convenient, interchangeable, UL[®] Listed or Rural Electrification Administration (REA) approved plug-in protector units provide the necessary voltage protection. Hinged, lockable covers are standard and provide additional mechanical protection and security.

Available in 25-, 50-, 100-, and 200-pair sizes, the 489A & B Protector offers two output options:

- The 489A features 110-Type connecting blocks.
- The 489B uses the 66-Type connecting block.

Benefits of the 489A & B Building Entrance Protector

- Lightweight – Terminal weighs 30 percent less than comparable models.
- Side Exits – Additional side exits and common trough (489A version) facilitate dressing and tracing of customer wire.
- Common positive grounding – Two built-in three-wire ground connectors facilitate termination of ground wire and strapping of adjacent protectors.
- Unique internal wiring – Input/output wire separator prevents protector bypass in high-current conditions.
- New 200-pair size – Uses the multi-layer version of the 489-Type plastic housing and has same “footprint” as the 100-pair size.

Options That Meet Your Needs

The 489A & B Building Entrance Protector features a generous splice chamber with cable pass-through. Removable grommets allow easy cable placing and splicing when the terminals are stacked. Outside plant cable is terminated on one of two input options:

- For smaller pair counts (<300 pairs), the OSP cable can be terminated in the splice chamber with a 110-Block (489A version), 66-Block (489B version), 710 or 3M splice connector.
- In the splice chamber, a No. 6 ground strap, with eyelet for connection to the shield of the OSP cable, is connected to the protector grounding network.
- For larger installations a 25’ swivel stub provides the ability to splice at an adjacent location.

Optimize Safety

The 489 A & B protector panel terminals are gold-plated for superior connections and accept interchangeable, 5-pin type plug-in protector units for greater flexibility. In addition, CommScope 3, 4 and 7-type protectors, with solid-state or gas tube voltage arrestors provide:

- high-voltage protection options

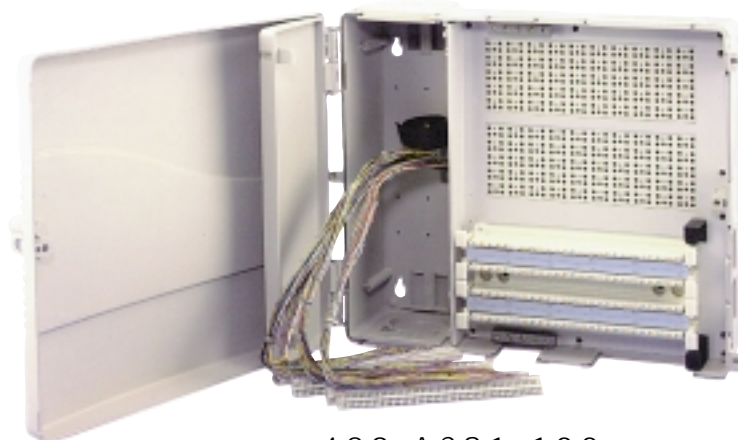
- sneak-current protection assured by the use of heat coils
- open circuit safety when the plug-in protector units are removed.

Minimize Wall Space

The modular 489 chassis can be mounted directly above other 489s so the units are easily “stackable,” minimizing wall space and simplifying installation. Cable pass-through features allow for a compact installation and natural mechanical protection for the cable. Multiple 3-wire ground connectors facilitate termination of a No. 6 ground wire, and strapping adjacent units together provides common positive grounding.

Deliver Cost-Effective Protection

The 489A & B Building Entrance Protector is designed to deliver maximum electrical protection, easy installation, and space efficiency.



489 ACS1-100



489ACS1-200
(bottom Layer)



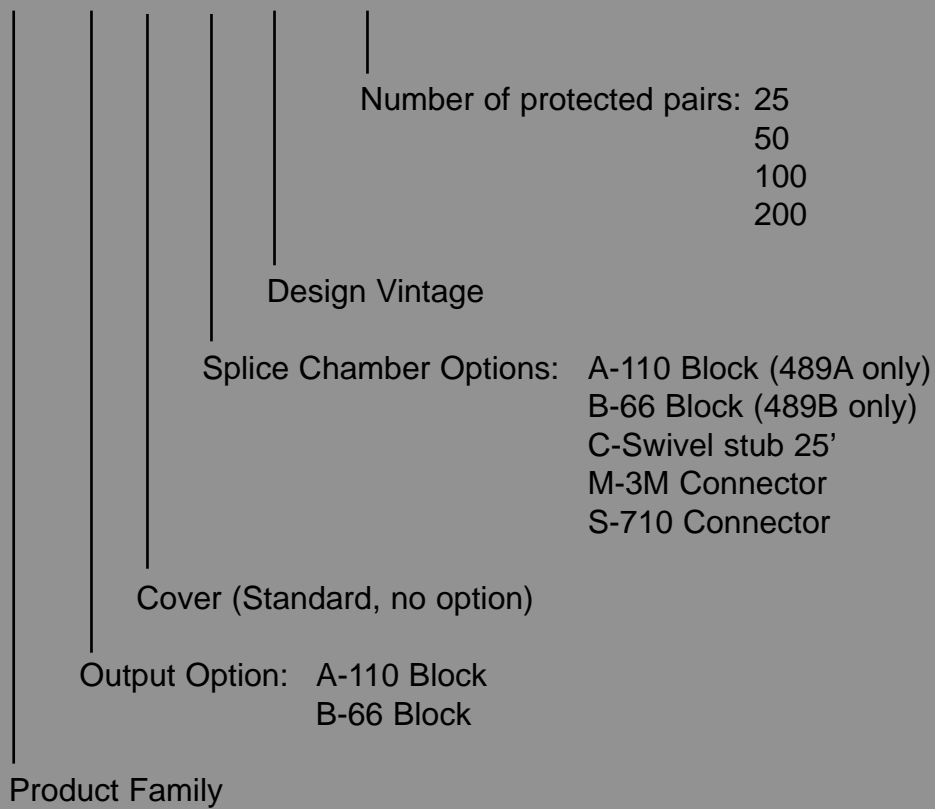
489ACS1-200
(top layer)



489BCC1-100

489 Protector Code Legend

489 A C S 1 100





Ordering Information

489A-Type	Input	Output	Pair Size	Dimensions	Material ID (Comcode)
489ACA1-025	110 Connector	110 Connector	25	12.4x15.1x5.3	107 894 909
489ACA1-050	110 Connector	110 Connector	50	12.4x15.1x5.3	107 894 917
489ACA1-100	110 Connector	110 Connector	100	12.4x15.1x5.3	107 894 925
489ACC1-025	Swivel Stub	110 Connector	25	12.4x15.1x5.3	107 894 941
489ACC1-050	Swivel Stub	110 Connector	50	12.4x15.1x5.3	107 894 958
489ACC1-100	Swivel Stub	110 Connector	100	12.4x15.1x5.3	107 894 966
489ACM1-025	3M Connector	110 Connector	25	12.4x15.1x5.3	107 894 974
489ACM1-050	3M Connector	110 Connector	50	12.4x15.1x5.3	107 894 982
489ACM1-100	3M Connector	110 Connector	100	12.4x15.1x5.3	107 894 990
489ACM1-200	3M Connector	110 Connector	200	12.4x15.1x8.2	107 895 005
489ACS1-025	710 Connector	110 Connector	25	12.4x15.1x5.3	107 895 039
489ACS1-050	710 Connector	110 Connector	50	12.4x15.1x5.3	107 895 047
489ACS1-100	710 Connector	110 Connector	100	12.4x15.1x5.3	107 895 070
489ACS1-200	710 Connector	110 Connector	200	12.4x15.1x8.2	107 895 088
489B-Type	Input	Output	Pair Size	Dimensions	Material ID (Comcode)
489BCB1-025	66 Block	66 Block	25	12.4x15.1x5.3	107 895 096
489BCB1-050	66 Block	66 Block	50	12.4x15.1x5.3	107 895 104
489BCB1-100	66 Block	66 Block	100	12.4x15.1x5.3	107 895 112
489BCC1-025	Swivel Stub	66 Block	25	12.4x15.1x5.3	107 895 138
489BCC1-050	Swivel Stub	66 Block	50	12.4x15.1x5.3	107 895 146
489BCC1-100	Swivel Stub	66 Block	100	12.4x15.1x5.3	107 895 153
489BCM1-025	3M Connector	66 Block	25	12.4x15.1x5.3	107 895 161
489BCM1-100	3M Connector	66 Block	100	12.4x15.1x5.3	107 895 187
489BCM1-200	3M Connector	66 Block	200	12.4x15.1x8.2	107 895 195
489BCS1-025	710 Connector	66 Block	25	12.4x15.1x5.3	107 895 203
489BCS1-050	710 Connector	66 Block	50	12.4x15.1x5.3	107 895 211
489BCS1-1007	10 Connector	66 Block	100	12.4x15.1x5.3	107 895 229

For more information on our products, please contact your CommScopeSales Representative or call 1-800-344-0223. You can also visit our website at: <http://cw.commscope.com>

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