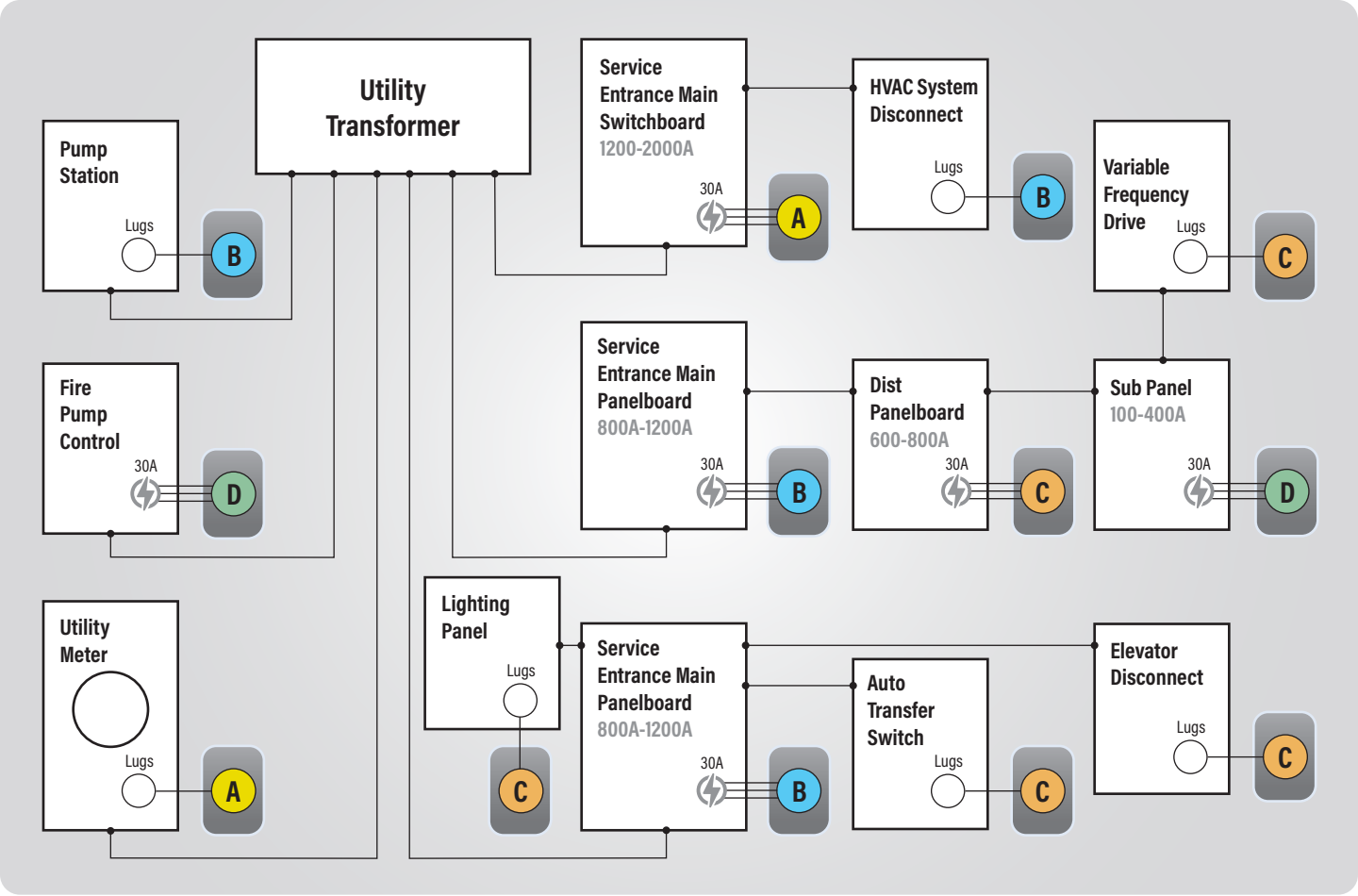
PANELGUARD® / PANELGUARD+
Surge Protection Placement and Selection Guide



Series Placement

- A — M, P or H20 Series + Voltage
- B — M, P or H10 Series + Voltage
- C — L10 Series + Voltage
- D — L5 Series + Voltage

PANELGUARD product selection chart located on back. PANELGUARD+ online configurator available via QR code on back.

Surge Protective Device (SPD) Type Designations

SPD Type designations are as follows:

TYPE 1	TYPE 2
Permanently connected SPDs intended for installation between the secondary of the service transformer and the line side of the service equipment overcurrent device, as well as the load side, including watt-hour meter socket enclosures and intended to be installed without an external overcurrent protective device.	Permanently connected SPDs intended for installation on the load side of the service equipment overcurrent device - including SPDs located at the branch panel. (Source UL)

- **Service Entrance Panels:** Surge protection is recommended on all service entrance/main distribution panels to protect against surges.
- **Distribution Panels:** Surge protection is recommended on distribution panels feeding any outdoor equipment or where there is no upstream protection.
- **Branch Panels:** Surge protection is recommended on branch/subpanels feeding any sensitive loads.

Introducing PANELGUARD+

New PANELGUARD+ surge protective devices are built to take on all comers. Our battle-tested M Series and P Series solutions deliver up to 10 modes of protection and support the most rigorous industrial applications (e.g., manufacturing plants, distribution centers).



Scan the QR code to learn more

An electromagnetic interference filter, such as an EMI, RFI, or line filter, shall comply with the Standard for Electromagnetic Interference Filters, UL 1283.

PANELGUARD® L and H Series: Product Selection Guide

Scan the QR code to access the PANELGUARD+ M and P Series online configurator

PANELGUARD **H Series** Offering



H20 SERIES (10-Year Limited Product Warranty)

7 MODE MAX SURGE CURRENT 200 kA Per Phase, SCCR rating of 200kA and In rating of 20kA, Blue LED Status Indicator Per Phase Red LED Service Indicator

Intermatic Part #	SPD Type	Audible Alarm, Dry Relay Contact	Filter	Voltage Code
H20S21S1DG1	2		EMI/RFI FILTER	(SPLIT PHASE 120/240 V)
H20S21S1DG2	2	Yes	EMI/RFI FILTER	
H20S13D1DG1	1			(3 PHASE HIGH LEG DELTA 120/240 V)
H20S13D1DG2	1	Yes		
H20S23D1DG1	2		EMI/RFI FILTER	
H20S23D1DG2	2	Yes	EMI/RFI FILTER	
H20S13Y1DG1	1			(3 PHASE WYE 120/208 V)
H20S13Y1DG2	1	Yes		
H20S23Y1DG1	2		EMI/RFI FILTER	
H20S23Y1DG2	2	Yes	EMI/RFI FILTER	
H20S13Y2DG1	1			(3 PHASE WYE 277/480 V)
H20S13Y2DG2	1	Yes		
H20S23Y2DG1	2		EMI/RFI FILTER	
H20S23Y2DG2	2	Yes	EMI/RFI FILTER	
H20S13Y3DG1	1			(3 PHASE 347/600 V)
H20S13Y3DG2	1	Yes		



H10 SERIES (10-Year Limited Product Warranty)

7 MODE MAX SURGE CURRENT 100 kA Per Phase, SCCR rating of 200kA and In rating of 20kA, Blue LED Status Indicator Per Phase Red LED Service Indicator

Intermatic Part #	SPD Type	Audible Alarm, Dry Relay Contact	Filter	Voltage Code
H10S21S1DG1	2		EMI/RFI FILTER	(SPLIT PHASE 120/240 V)
H10S21S1DG2	2	Yes	EMI/RFI FILTER	
H10S13D1DG1	1			(3 PHASE HIGH LEG DELTA 120/240 V)
H10S13D1DG2	1	Yes		
H10S23D1DG1	2		EMI/RFI FILTER	
H10S23D1DG2	2	Yes	EMI/RFI FILTER	
H10S13Y1DG1	1			(3 PHASE WYE 120/208 V)
H10S13Y1DG2	1	Yes		
H10S23Y1DG1	2		EMI/RFI FILTER	
H10S23Y1DG2	2	Yes	EMI/RFI FILTER	
H10S13Y2DG1	1			(3 PHASE WYE 277/480 V)
H10S13Y2DG2	1	Yes		
H10S23Y2DG1	2		EMI/RFI FILTER	
H10S23Y2DG2	2	Yes	EMI/RFI FILTER	
H10S13Y3DG1	1			(3 PHASE 347/600 V)
H10S13Y3DG2	1	Yes		

PANELGUARD **L Series** Offering



L10 SERIES (5-Year Limited Product Warranty)

4 MODE MAX SURGE CURRENT 100 kA Per Phase, SCCR rating of 200kA and In rating of 20kA, Blue LED Protection Status Indicator and Red LED Service Indicator

Intermatic Part #	SPD Type	Audible Alarm, Dry Relay Contact	Filter	Voltage Code
L10F11S1DG1	1			(SPLIT PHASE 120/240 V)
L10F11S1DG2	1	Yes		
L10F23D1DG1	2		EMI/RFI FILTER	(3 PHASE HIGH LEG DELTA 120/240 V)
L10F23D1DG2	2	Yes	EMI/RFI FILTER	
L10F13N4DG1	1			(3 PHASE DELTA 440/480 V)
L10F13N4DG2	1	Yes		
L10F23N4DG1	2		EMI/RFI FILTER	
L10F23N4DG2	2	Yes	EMI/RFI FILTER	
L10F13Y1DG1	1			(3 PHASE WYE 120/208 V)
L10F13Y1DG2	1	Yes		
L10F23Y1DG1	2		EMI/RFI FILTER	
L10F23Y1DG2	2	Yes	EMI/RFI FILTER	
L10F13Y2DG1	1			(3 PHASE WYE 277/480 V)
L10F13Y2DG2	1	Yes		
L10F23Y2DG1	2		EMI/RFI FILTER	
L10F23Y2DG2	2	Yes	EMI/RFI FILTER	
L10F13Y3DG1	1			(3 PHASE 347/600 V)
L10F13Y3DG2	1	Yes		



L5 SERIES (5-Year Limited Product Warranty)

4 MODE MAX SURGE CURRENT 50 kA Per Phase, SCCR rating of 200kA and In rating of 20kA, Blue LED Protection Status Indicator and Red LED Service Indicator

Intermatic Part #	SPD Type	Audible Alarm, Dry Relay Contact	Filter	Voltage Code
L5F21S1DG1	2		EMI/RFI FILTER	(SPLIT PHASE 120/240 V)
L5F21S1DG2	2	Yes	EMI/RFI FILTER	
L5F13D1DG1	1			(3 PHASE HIGH LEG DELTA 120/240 V)
L5F13D1DG2	1	Yes		
L5F13Y1DG1	1			(3 PHASE WYE 120/208 V)
L5F13Y1DG2	1	Yes		
L5F23Y1DG1	2		EMI/RFI FILTER	
L5F23Y1DG2	2	Yes	EMI/RFI FILTER	
L5F13Y2DG1	1			(3 PHASE WYE 277/480 V)
L5F13Y2DG2	1	Yes		
L5F23Y2DG1	2		EMI/RFI FILTER	
L5F23Y2DG2	2	Yes	EMI/RFI FILTER	
L5F13Y3DG1	1			(3 PHASE 347/600 V)
L5F13Y3DG2	1	Yes		

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