MIL-CONTROL-68 SHIELDED CONTROL PANEL

HydroShield™

INDUSTRY STANDARDS

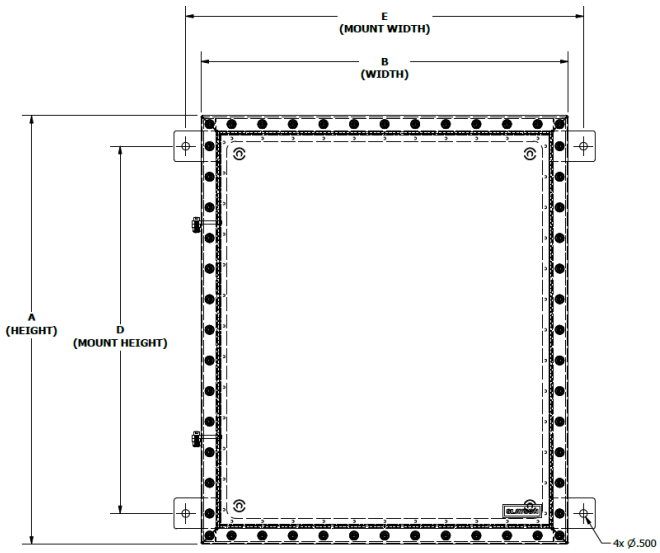
NEMA Type 6P, IP68 IEC 60529
IK10 Impact Resistant
MIL- STD- 810, MIL-STD-285

APPLICATION

The HydroShield™ MIL-CONTROL-68 offers ultimate protection for military vehicles, weapons systems, and electronic control hardware deployed in the harshest environments. This Panel series has hermetic sealing preventing any ingress of dust and water, with dual Copper gasket to insure complete 360° EMC/EMP immunity and operational control access using the Shielded Access Door (IP66) optional accessory. The HydroShield™ series offers a COTS range of Shielded Control Panels and Accessories delivering a proven, flexible and rugged panel enclosure system to MIL specification.

MODIFICATION & CUSTOMIZATION

SLAYSON® excels at modifying and customizing all our products to meet your exact specifications. Whether you require custom engraving and decals, connector through-hole cutouts, welded in-place accessories, or a non-standard size, contact our experienced engineers to discuss your project-specific solution.



SPECIFICATIONS

- NEMA 6P / IP68 / IK10
- Submersible up to 15 ft / 5 mtr (IEC 60529)
- Corrosion Resistant Salt Spray Test (ASTM B117)
- Rugged Design & Construction
- Seams continuously welded and ground smooth
- Single piece Neoprene Gasket
- Dual Gasket Copper
- 360° Shielding EMC / RFI (MIL-STD-285)
- Internal Threaded Collar Stud locations for Internal Mount Plate [B]
- High Impact & Crush Resistance (IK10)
- Designed to withstand Shock & Vibration (MIL-STD-810)

MATERIAL	CODE
Aluminum 0.120" | 3.00mm*	S

FINISH	
Desert Sand AMS-STD-595 color 33446, RAL 1015*	D
Olive Drab AMS-STD-595 color 24097, RAL6022*	O

*Alternative finish & material options available

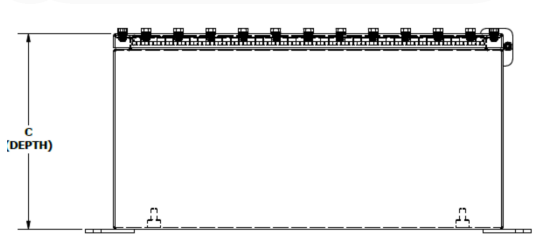
ACCESSORIES	
Internal Mount Plate	B
Hinged Lid / Door	H
Optical Window Lid / Door	O
Security Lock Tab	P
Nameplate	N
Captive Lid Fasteners	C
Internal Swing Out Panel	S
Shock & Vibration Mount Kit	V
External Grounding Stud	G
Lifting Eye Hooks	L
Raised Floor Mounting Plinths	R
Heavy Duty Gusset Mount Tabs	T
Access Door (IP66)	A
Pull Handle	U
Document Pocket	M
Welded In-Place Hubs	*
Welded In-Place Studs	*
Cable Glands / Cord Grips	*
NPT Cable Glands	*
Integrated Thermal Heatsink	*
CARC Paint System	*

*Customer Modification Code is required when the Accessory component selected requires any of the following: enclosure cutouts, through holes or penetrations, customer involved design for accessory placement. This code is added in front of the part number by SLAYSON® to provide a unique identifier for customer specific engineering data.

PART NUMBER BUILDER

Customer Mod Code*			Material	Imperial	A Height (in)		B Width (in)		C Depth (in)		Accessory Codes		
		—	E	A	D	I	3	6	3	6	2	4			
			Enclosure Seres		Submersion Depth		For Non-Standard sizes or to add Optional Accessories use the Part Number Builder to configure the part number.								

*Generated by SLAYSON Engineering for customer specific modifications



PART NUMBER	A		B		C		D		E		INTERNAL MOUNT PLATE				Gauge
	Height		Width		Depth		Mount Height		Mount Width		Height		Width		
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	
EADI363624	**36**	914.4	**36**	914.4	**24**	609.6	**32**	812.8	**38**	956.2	**32**	812.8	**32**	812.8	12
EADI363612	**36**	914.4	**36**	914.4	**12**	304.8	**32**	812.8	**38**	956.2	**32**	812.8	**32**	812.8	12
EADI343424	**34**	863.3	**34**	863.3	**24**	609.6	**30**	762.0	**36**	914.4	**30**	762.0	**30**	762,0	12
EADI343412	**34**	863.3	**34**	863.3	**12**	304.8	**30**	762.0	**36**	914.4	**30**	762.0	**30**	762,0	12
EADI303018	**30**	762.0	**30**	762.0	**18**	457.2	**26**	660.4	**32**	812.8	**26**	660.4	**26**	660.4	12
EADI302818	**30**	762.0	**28**	711.2	**18**	457.2	**26**	660.4	**28**	711.2	**26**	660.4	**26**	660.4	12
EADI282816	**28**	711.2	**28**	711.2	**16**	406.4	**24**	609.6	**30**	762.0	**24**	609.6	**24**	609.6	12
EADI282416	**28**	711.2	**24**	609.6	**16**	406.4	**24**	609.6	**26**	660.4	**24**	609.6	**24**	609.6	12
EADI262614	**26**	660.4	**26**	660.4	**14**	355.6	**22**	558.8	**28**	711.2	**22**	558.8	**22**	558.8	12
EADI262214	**26**	660.4	**26**	660.4	**14**	355.6	**22**	558.8	**24**	609.6	**22**	558.8	**22**	558.8	12