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WCC Weapon Control Cabinet



WCC

Weapon Control Cabinet

Weapon Control Cabinet (WCC) is a module of the submarine command and control system whose primary objective is to provide a software-hardware platform for torpedo firing. WCC ensures that housed units and equipment are protected from the severe environmental conditions onboard.

WCC with its modular technique, enables;

- » Ease of access, maintenance and repair
- » Stable and rugged mechanical structure
- » Automated anti-condensation heating capability
- » Ergonomic design to comply with MIL-STD-1472F

TECHNICAL DATA

Outputs:

- Connections via modular connector panels

HMI:

- Audible and luminous alarm for critical faults
- Alphanumeric Status Display

Power:

- 115 Volts, 60 Hz UPS 3000 VA
- 220 Volts, 50 Hz (option)

Cooling:

- Air cooling (standard)
 - Water cooling or embedded A/C unit (Option)
- Heavy-duty aluminum construction protected against corrosion

WCCs;

- » Contains a fire extinguisher inlet for fire cases inside the cabinet
- » Produced with devices with high reliability and maintainability level
- » Includes cards for connection test for torpedo launch and voltage controls for firing



ENVIRONMENTAL FEATURES

Temperature	MIL-STD-810G
Humidity	MIL-STD-810G 5075
Vibration	MIL-STD-167-1 Type I
Structure borne Vibratory Acceleration Measurements	MIL-STD-740-2
Audible Noise	MIL-STD-1474D
Shock	MIL-S-901D Shock Resistance Grade A
Ingress Protection	MIL-STD-108E IP X2

Dimensions: 56x55,2x136 cm (WxDxH)

Weight: 175 kg (Typical Payload)

Weapon Control Cabinet are in full series production and in use on board Preveze class Submarines.

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