

CTS/Aegis Power Supplies and Remote Monitoring General

CTS Power Supply Divisions

CTS Power Supply Divisions are located in Saudi Arabia, Bahrain, the United Arab Emirates and the United Kingdom. We manufacture the different types of variable DC Power Supplies / Transformer Rectifiers & Switch-Mode Power Supplies under the CTS, Aegis and PML brands.



Aegis Technical Systems

Aegis Technical Systems, Dubai was established in 1996 and is recognised as the premier supplier of Switch Mode Power Supplies and Remote Monitoring and Control Systems in the Middle East with hundreds of power supplies on prestigious projects such as Burj Khalifa, Dubai; Louvre, Abu Dhabi; Jeddah Tower, Saudi Arabia and many more. Through the merger with CTS, Aegis power supplies and Remote Monitoring Systems are now available worldwide. Aegis equipment can be supplied as a standalone system or integrated with CTS or third party supplier systems.

CTS and PML Power Supplies

CTS and PML power supplies are designed to give variable DC outputs using linear transformation of line frequency AC voltage and high frequency switched mode conversions.

Variable DC output voltage is obtained by Tappings, Variac Control, Thyristor Phase Control and Micro Processor based phase control for a wide range of single and three phase AC input voltages.

Enclosures

CTS and Aegis Power Supplies are available in air-cooled and oil cooled versions housed in enclosures manufactured from a range of materials such as carbon steel, stainless steel, aluminium and GRP. Various coatings and finishes including hot dip galvanizing are available.

Enclosures can be IP and NEMA rated and we can supply ATEX certified power supplies suitable for hazardous areas.

Remote Monitoring and Control Systems

Remote Monitoring and Control have become an important aspect of cathodic protection systems offering advantages such as the ability to centrally monitor multiple power supplies. There are also important advantages for:

Safety – less miles travelled by technicians often in inhospitable environments.

Digital Data Handling – collected data not subject to technician abilities and can be graphed, trends spotted and reports easily prepared.

Detect Problems and Reduced Protection levels – real time notification of power supply faults and loss of protection.

Reduce Costs of engineering, support staff and vehicles.

Remote Control can be offered using a 4-20mA output from transducers. Digital Monitoring using a RS485 or WiFi network requires a master control unit. Alarms can be offered using potential-free contacts. The Aegis Remote Monitoring System (ARMS) offers state of the art hardware and software that is specifically designed and tailored for Cathodic Protection applications. The Master Control Unit (MCU) can be accessed using any web browser meaning any standard protocol network can be used and no additional or ongoing software licences are required.

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