



Your CONDUIT to Performance.™

400 Hz Distribution & Control

PAGE GSE 400 Hz LPCU-53 POWER SERVICE POINT

- **Easy to install**
- **Simple to maintain**
- **Compact**
- **NEMA-4X / IP-55**

Introduction

The PAGE LPCU™-53 Power Service Point controls power delivered to a 115/200-volt, 3-phase, 400 Hz load. These can be used for typical Aircraft environments or Classroom and Munitions Trailer requirements. The LPCU™ Power Service Point is normally installed at the load point, but may also be applied at the power source output.

Each LPCU™ Power Service Point incorporates a connectorized control circuit board, load contactor, and power/control termination points.

The LPCU™ Power Service Point may be applied with loads up to 90 kVA. Standard controls include On/Off, Over Voltage¹, and Under Voltage¹ protection. Indicators for Power Available, Contactor Closed and individual Fault Status¹ are on the door of the enclosure. Converter Start/Stop push buttons, converter fault indicator, and reel control pushbuttons are also optional on the enclosure door. Relay contacts for the remote indication of Summary Fault¹, Power Available, and



Contactor Closed are provided as standard, as is remote On/Off capability.

The LPCU recognizes the status of the cable-to-load connection and will de-energize if the connection is broken. This is especially useful for loads that do not generate any type of interlock voltage.

An LPCU™ Power Service Point is furnished with a weatherproof enclosure. A watertight, explosion proof enclosure or special enclosure is available upon request.

Advantages

- ! Precise control of critical power by means of independent phase voltage/current monitoring¹.
- ! Elimination of "nuisance tripping"¹.
- ! Control circuit board is resistant to energy transients on power and control circuits.
- ! Ideal for upgrading existing distribution.
- ! Reset by operating the load Off control.
- ! Minimize delays caused by power rejection.
- ! Ideal retrofit to an outmoded Gatebox.

EQUIPMENT

- ! NEMA-4X/IP-55 polyester/fiberglass enclosure with gasketed, locking, hinged door.
- ! Nema-7/IEC-Zone-1 explosion proof enclosure (optional).
- ! Accommodation of standard kVA loads (45, 60, 75, 90) plus options down to 1 kVA.
- ! Each phase monitored independently for voltage and current limits (optional).
- ! Local indication of all faults, both on enclosure and Control Circuit Board.
- ! Anodized cable reinforcing bracket with pre-drilled cable access points.
- ! Relay contacts provided for remote status.
- ! Contactor Disable and E/F Bypass switches provided on Control Circuit Board.
- ! Remote controlled. Local On/Off controls optional.
- ! Optional reel control buttons
- ! All components are easily accessible with the front door open.
- ! Installed with confidence by maintenance personnel or contractor.

INSTALLATION

- ! NEMA-4X/IP-55 enclosure conduit openings must be punched at the jobsite.
- ! Nema-7/IEC-Zone-1 enclosures will be furnished with customer specified conduit openings.
- ! Mounting rails (fastener channel type) are provided on NEMA-4X/IP-55 enclosure rear surface. Mounting ears are provided on Nema-7/IEC-Zone-1 enclosure rear surface.
- ! Aircraft cables cannot be supported by the NEMA-4X/IP-55 enclosure alone.
- ! NEMA-4X/IP-55 enclosures require bottom wire and conduit entry.
- ! The NEMA-4X/IP-55 enclosure finish is natural greenish gray or optional two part polyurethane paint per customer spec.
- ! The Nema-7/IEC-Zone-1 enclosure finish is natural aluminum or optional polyester powder coat.
- ! Feeder overload protection and safety disconnect must be provided ahead of this equipment.

Typical Physical Characteristics for the -53:

Height: 25.5 in. (64.7 mm.), Width: 17.1 in. (434.34 mm.), Depth: 10.1 in. (256.54 mm.)

Weight: 40 lbs. (18.14 kg.)

- 900-30003-53:** Remote control of load power including E/F and Independent Interlock Device (IID). Enclosure door options include [Lamp Test Switch](#), [On/Off Switches \(Emergency Stop\)](#) and [LED indicators](#) for [Power Available](#), [Under Voltage](#), [Over Voltage](#), and [Contactor Closed](#). Enclosure door options include [Remote Converter Start/Stop](#) and [Reel Control Switches](#).

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