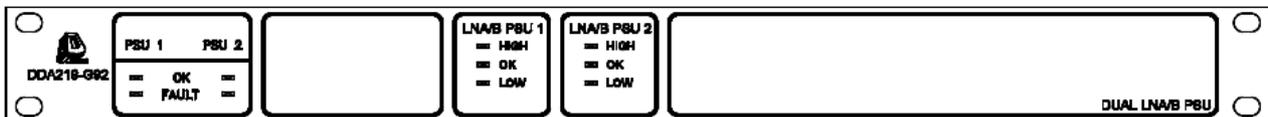


DOUBLE D ELECTRONICS LTD

DDA219-G9XE Multiple LNB Power Supply

- * 2-6 regulated LNB power supplies
- * Adjustable voltage for LNB supplies
- * LNB current monitoring for faults
- * Adjustable current limits
- * Remote Monitoring & Control Port
- * Readback of output voltage, current consumption for each LNB
- * Redundant Power Supplies
- * RS-232/422/485 serial port for RC&M
- * 10/100BaseT network port for RC&M & configuration
- * 1U 19" rack mount
- * Summary alarm output



The DDA219-G9XE is a variant of the popular DDA219 general purpose controller with network interface, optimised for LNB supply applications. It includes 2-6 efficient power supplies with adjustable voltage level and current thresholds, and overload protection.

The unit includes dual mains inlets and supplies for redundancy, feeding an internal power bus. Each LNB is powered separately off this bus, via its own controller section and output connector. For LNBs powered via the coaxial cable an external bias tee (not supplied) is required.

The LNB supply voltage, current thresholds and current consumption may be monitored on test connectors at the rear of the unit, and adjustments are accessible through the rear panel. Approximate values are also available on a web page, and via the RC&M. This gives the possibility of trend monitoring, to assist in identifying imminent LNB failure.

The DDA219-G9XE includes both serial and network-based remote monitoring & control facilities; the serial port supports 4-wire RS-485 and RS-232. Protocol and command set is generally compatible with other DDA219-family controllers.

The front panel provides unit status.

Variations on this standard specification are possible; please consult the factory.

SPECIFICATION

- Physical: 19" rack, 1U high, 360mm deep (excluding connectors).
- Power: 90-254V a.c., 48-62Hz, 150VA max. Redundant power feed (dual power supplies) via two IEC mains inlets
- LNB Power: 9-pin D-socket (one per output)
Voltage adjustable 12-20V d.c. @ 500mA max.
Separately adjustable high and low current thresholds for each LNB.
- LNB Alarms: 15-pin D-socket; has buffered alarm outputs for each LNB
- overcurrent and undercurrent.
- Host Serial: 9-pin D-socket; RS-232 and 4-wire RS-422/RS-485
Supports "Printable ASCII" and "STX/ETX" protocols.
- Network Port: 10/100BaseT.
Browser interface for configuration, status display
'Sockets' interface for RC&M
- Summary Alarm: 9-pin D-plug; volt-free relay contact signals alarm on any detected fault.

Ordering Information

DDA219-G9nE Multiple LNB Power Supply

In the above part number, substitute as follows:

n Number of outputs:
 2 – Two outputs
 4 – Four outputs
 6 – Six outputs

Example: DDA219-G92E is a dual LNB power supply unit.