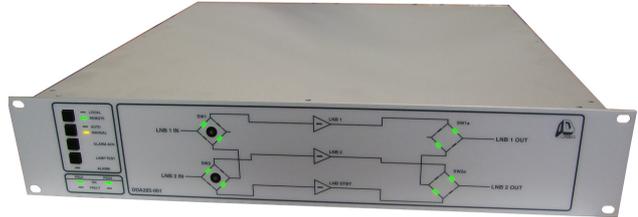


## DOUBLE D ELECTRONICS LTD

### DDA282-X9X 1+2 LNA/LNB Power Supply & Redundancy Controller

- \* Up to four coaxial or waveguide switches
- \* Automatic redundancy mode
- \* 10/100BaseT network port
- \* SNMP V1 and V2c
- \* TCP/IP 'Sockets' communication
- \* Web browser configuration and status
- \* RS-232/422/485 serial RC&M port
- \* Three monitored LNB power supplies
- \* Redundant Mains Power Supplies
- \* 2U 19" rack mount
- \* Optional internal RF functionality (see DDA285)
- \* Summary alarm output



The DDA282-X9X is a redundancy controller and LNB power supply controller for 1+2 switching systems. It is compatible with most popular LNAs, LNBs and LNCs, and includes automatic redundancy facilities. (For controllers not involving LNBs, see the main DDA282 data sheet).

The unit includes four switch interfaces which can support waveguide switches, coaxial switches and other options.

The unit includes three power supplies intended for LNAs, LNBs and similar. The output voltage of each is adjustable. Power supply current is monitored, and an alarm generated if the current goes outside adjustable limits. This alarm can then trigger an automatic changeover. LNB power is available on rear panel connectors; dependent on the type of LNB used, a bias tee (not supplied) may be required to supply power to the LNB.

The unit includes a 10/100BaseT network port which supports multiple simultaneous connections.

The web browser interface is used for a variety of purposes, including unit configuration and system log display, as well as displaying some key system status.

The TCP/IP 'sockets' interface supports multiple simultaneous connections, and provides a very fast alternative to a serial connection for RC&M.

The unit also supports SNMP V1 and V2c for RC&M.

The DDA282 includes a remote monitoring & control port supporting 4-wire RS-485 and RS-232, generally consistent with the larger DDA286/DDA86/DDA70 family as well as the DDA69/DDA78 1+1 controllers.

## SPECIFICATION

- Physical: 19" rack mount, 2U high, 450mm deep (excluding connectors).
- Power: 90-254V a.c., 48-62Hz, 150VA max. Redundant power feed (dual power supplies) via two IEC mains inlets
- Switching: Support for two or four switches, assigned in pairs:  
**Option 0** – no switches fitted  
**Option 1** - External coaxial or waveguide, 24V coils, common negative, including inputs for locks.  
**Option 2** - External coaxial switch, 24V coils, common positive.  
**Option 9** – specifies LNB power supplies.
- LNB Supplies: adjustable 12-21V d.c. at up to 500mA per supply  
Adjustable limits on LNB current to generate alarm  
Available on rear panel connectors  
Bias tee may be required to connect to LNB
- Network port: 10/100BaseT supports web browser, SNMP, TCP/IP 'Sockets'
- Host Serial: 9-pin D-socket; RS-232 and 4-wire RS-422/RS-485, fixed 9600,7,e,1.  
Supports "Printable ASCII" and "STX/ETX" protocols.
- Summary Alarm: 9-pin D-plug; volt-free relay contact signals alarm on any detected fault.

### Ordering Information

DDA282-M9O 1+2 Redundancy and Switching Controller.

In the above part number, substitute as follows:

- M Mimic type:  
0 - Standard generic mimic (as photo on previous page)
- O Output switch type – mechanically ganged with input, or separate  
(Option numbers as above)