DOUBLE D ELECTRONICS LTD

DDA75-XX SERIAL I/O PERIPHERAL

* 1U 19" rack mount case.
* 250mm or 450mm deep case
* 100-240V a.c. power supply.
* 32 I/O channels - configurable as inputs or
    outputs in blocks of eight.
* 4-wire RS-422/RS-485 Interface
* Ideal peripheral for Remote Monitoring & Control Systems

The DDA75 provides all the I/O required for typical remote monitoring and control applications, connecting to equipment which requires a discrete interface.

Its compact size and low cost mean that where more I/O is needed, it is practical to add a further DDA75 rather than using expandable units.

The unit implements an industry-standard 4-wire RS-485 bus, and two industry-standard serial protocols.

External Connections
8 off 8-pin 3.5mm pitch pluggable terminal blocks for I/O
IEC mains inlet
Optional 34-way IDC plug for connection to DD8092/DD8099 relay cards.
9-D socket for serial interface

Inputs
Accept volt-free contact, NPN open collector. Open circuit voltage +5V d.c. Switching current 5mA.

Outputs
Open drain outputs rated 24V 100mA.
Internal 'catch' diode, returned to internal +24V PSU
Link option for each block of four to provide either
    a) open drain - for switching an external power supply
or   b) Switched 0V, fixed +24V - for controlling external 24V relays and similar.

Optional 34-way IDC connector carries outputs 9-32; pinout compatible with DD8092/DD8098 relay cards.

Each block of outputs has a self-resetting fuse in the +24V d.c. line.
Maximum total output current from the internal power supply is 800mA.

Front panel
Power status indicator.

Remote poll LED - indicates host is interrogating device.

Serial Interface
RS-232 or 4-wire RS-485 asynchronous serial interface (link selectable)
9600 baud 7 data bits even parity.
Standard protocols are Printable ASCII (as used by STS, Miteq etc) and STX/ETX
(as used by Scientific Atlanta).
Command set allows polling of summary status and input status. Outputs may be
controlled.

Physical Size
1U high 19" rack mount.
Two depth options - a) 250mm for maximum space behind
                   b) 450mm for ease of access if adjacent units deep

Ordering Information

Inputs	Outputs	Depth	Part No
32	0	250mm	DDA75-40
24	8	250mm	DDA75-31
16	16	250mm	DDA75-22
8	24	250mm	DDA75-13
0	32	250mm	DDA75-04
32	0	450mm	DDA75-84
24	8	450mm	DDA75-75
16	16	450mm	DDA75-66
8	24	450mm	DDA75-57
0	32	450mm	DDA75-48

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