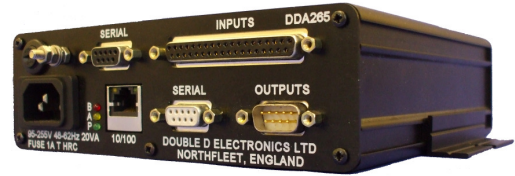# DOUBLE D ELECTRONICS LTD

DDA265-XX Input/Output Unit with Network Interface

- Wall mount and rack mount options
- Network interface with SNMP/browser
- Serial port
- Single/dual power supply option for rack unit
- 16 digital input
- 4 output relays
- Optional summary alarm output
- Optional second serial port

The DDA265 is a general purpose I/O unit for use in a wide variety of monitoring and control applications.

Sixteen digital inputs accept variety of inputs, including volt-free contacts, NPN open collector, and switched d.c. Voltage (>3V = 'on'). The inputs are galvanically isolated from other circuitry, and when configured to accept a switched voltage are also isolated from each other.

Four relay outputs provide one Form C (changeover) and three Form A contacts.

The DDA265 has a network port which supports a variety of protocols, including:
>SNMP V1 and V2c
>Networked serial port
>TCP/IP sockets

The DDA265 also includes a serial remote monitoring & control port supporting 4-wire RS-485, with a protocol based on that used on the DDA275.

An optional second serial port may be used for specific applications involving protocol/interface conversion from the network port or primary serial port. This includes telnet capability (essentially a network to serial converter).

The unit is available in two physical configurations:
>a) An extruded box intended for wall or panel mounting
>b) A 1U 19" rack case.

The rack mount version can optionally be provided with dual power supplies.

SPECIFICATION

Physical: a) (-0x versions) Extruded case, 170 (W) x 53.5 (H) x 220 (D)mm

b) (-1x versions) 1U 19" rack mount case, 250mm deep

Power: 90-254V a.c., 48-62Hz, 40VA max. IEC mains inlets

Optional dual power supplies on rack mount units.

Digital Inputs: Sixteen inputs intended for volt-free contact, NPN open collector or switched d.c. voltage -normally closed, open for alarm. Open circuit voltage +5V d.c., wetting current 5mA max. 37-way D-type socket.

Relay Outputs: Four individually controllable relay contacts, rated 30V d.c. 0.5A, on 9-way D-type plug.
One Form C (changeover), three Form A (normally open)

Serial Port: 9-pin D-socket; RS-232 and 4-wire RS-422/RS-485
Range of baud rates, parity, data bits
Supports "Printable ASCII" and "STX/ETX" protocols.
Galvanically isolated from other connections.
Optional second serial port with same physical specifications.

Summary Alarm: (where provided). Two Form C relay contacts, each rated 30V d.c. 0.5A, on 9-pin D-type plug. Relay normally energised, turned off on any detected fault.

Control Protocol: Generally compatible with DDA275 - allows reading of state of all digital inputs and outputs, reading of internal status, and control of outputs.

Ordering Information

DDA265-01   Panel mount unit, summary alarm.
DDA265-03   Panel mount unit, second serial port
DDA265-11   Rack mount unit, single power supply, summary alarm
DDA265-12   Rack mount unit, dual power supply, summary alarm
DDA265-13   Rack mount unit, dual power supply, second serial port
DDA265-14   Rack mount unit, dual power supply, second serial port, summary alarm