



## DDA276 ALARM & RECEIVING ATTENTION UNIT

- \* 16 inputs - contact or voltage
- \* Buffered outputs
- \* 10/100BaseT Network port
- \* Browser-based configuration
- \* TCP/IP sockets interface
- \* SNMP support
- \* RS-232/422/485 Serial Interface
- \* Receiving Attention facilities
- \* 1U case
- \* Dual power supply option



This unit provides flexible alarm handling facilities, with particular application in satellite ground stations. 16 inputs are supported, with each having an individual connector on the rear panel to keep wiring simple.

New alarms are indicated by a flashing red LED on the front panel, and the optional sounder; they may be accepted individually, at which point the LED goes steady.

The local front panel gives an indication of new alarms; these may be acknowledged using individual pushbuttons. A summary alarm indicator and optional sounder indicate unacknowledged alarms.

The unit has flexible input options, accepting both volt-free contacts, and switched voltages in various ranges. A debounce time can be set to eliminate transients, and polarity is also selectable.

The unit includes a 10/100BaseT network port, which is used for both configuration and RC&M. A web browser interface is used for configuration; some settings can also be modified via the RC&M. Unit status is available over the network using either a fast TCP/IP-based 'sockets' protocol, or SNMP.

The unit also incorporates a RS-232/422/485 serial interface port, which can be used for RC&M in the same way as the TCP/IP sockets interface.

The unit is normally supplied with a single mains supply; there is an option for a second supply, sharing the same mains inlet.

### Ordering Information

DDA276-01 Rack Alarm Unit, single PSU, buffered alarms

DDA276-21 Rack Alarm Unit, two PSU, buffered alarms

# SPECIFICATION

Packaging:	19" rack mount unit, 1U high. 360mm deep.
Power Supply:	100-240V a.c. 50-60Hz.
Redundancy:	Optional dual power supplies; single mains inlet
Inputs:	16 inputs to accept volt-free contacts or d.c. voltage of either polarity. In d.c. input mode inputs individually optoisolated (no common connection) Input voltage user configurable (connector pins) 4-6V, 10-30V or 40-60V d.c. Wetting current 3mA nominal
Outputs:	Relay contacts for: a) Unaccepted alarms b) Accepted alarms c) Any alarm d) Each input; buffered indication of alarm state All relay contacts rated 30V d.c. 0.5A.
Front Panel:	Master 'Unaccepted Alarm' indicator (red) Alarm accept button for each input Alarm LED (red) for each input 'Isolation' LED (yellow) for each input Lamp test button 'PSU OK' LED Sounder mute button with indicator
Sounder:	Audible warning when unaccepted alarms. May be disabled via front panel.
Serial port:	Supports RS-232, RS-422, RS-485 4-wire with addressing.
Configuration:	The following may be configured, via a web browser or the remote interface: a) Input polarity b) Alarm latch option c) Input debounce time (to eliminate transients) d) Input masking (excludes from summaries and change)
Connectors:	IEC mains inlet 9-D socket - alarm input (16 off) 25-D plug - buffered outputs (2 off) 9-D plug - common alarm outputs 9-D socket - serial interface RJ-45 – network 10/100BaseT
Protocol:	Supports STX/ETX and "Printable ASCII" Address set via web browser
Command Set:	Commands/enquiries for: Alarm status Receiving Attention status Remote receiving attention Configuration
Network Port:	Configuration and some status via browser TCP/IP 'Sockets' interface for fast RC&M SNMP V1, V2c