DOUBLE D ELECTRONICS LTD
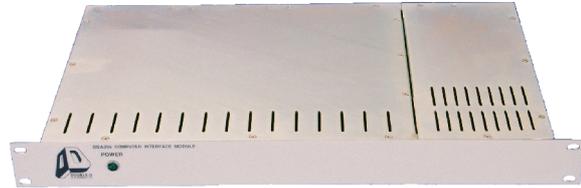
DDA236 TWTA RC&M INTERFACE - CIM

* Compatible with CPI CIM
* VZU-2740 series compatible
* 1U 19" rack mount
* One TWTA per CIM
* CIM and CPI "Compact" compatible command sets

The DDA236 provides an RC&M interface to older CPI TWTAs, such as the VZU-2740 series. It can also be used (with suitable cables) with other TWTAs having a compatible interface.

Each DDA236 provides an interface to one TWTA in 1U rack height; two units can therefore replace a CPI CIM in many systems, giving a more flexible system partitioning. In many cases the existing cables between the HPA and the CIM can be reused.

The DDA236 has a serial port which may be configured for RS-232 or 4-wire RS-422/485.

As standard the DDA236 supports the commands and status polls of the CPI CIM. It may also be configured to provide an interface compatible with the CPI "compact" range of TWTAs.

A variety of configuration options give additional flexibility in configuring the system.

SPECIFICATION

Physical: 1U 19" Rack mount, 250mm deep

Power: 90-250V a.c. 48-62Hz. 20VA max.

Host Serial: Selectable RS-232 or 4-wire RS-422/RS-485
              9600 or 19200 baud. 8,n 7,e 7,o data/parity
              Supports "Printable ASCII" and "STX/ETX" protocols.

Connectors: Power - IEC mains inlet
              Serial - 9-pin D-socket
              Summary Alarm - 9-pin D-plug
              TWTA Analog - 9-pin D-socket
              TWTA Status & Control - 50-pin D-socket

RC&M: Supports status polls and commands for TWTA interface as CPI CIM.
              Also supports CPI Compact compatible command set. (Selectable)

Summary Alarm:
              DPDT relay output - 2 sets Form C contacts rated 30V d.c. 0.25A.
              De-energised on fault.
              Configurable to include/exclude faults from connected HPA

TWTA Analog:
              Two analog inputs 0-6V full scale representing 0..full power

TWTA Control & Status:
              Inputs for volt-free contacts or NPN open collectors - status signals
              Outputs NPN open collector or equivalent for control

Accessories: Cables to connect to CPI TWTA can be supplied on request

Ordering Information

DDA236-01   Single channel TWTA interface, including manual