



# DOUBLE D ELECTRONICS LTD

## DDA273-XX RF Level Monitor

- RF level monitoring to 8GHz
- 50dB dynamic range
- -55dBm to +5dBm signal input
- Adjustable high/low thresholds
- Separate high/low alarm outputs
- Dual channel
- Power fail alarm output



The DDA273 is a dual-channel RF level monitor, able to signal when the level on each RF input is outside preset limits. It accepts a wide range of input signals, and is able to discriminate at levels approaching -50dBm.

A typical application is the monitoring of customer-supplied feeds in satellite ground stations, to assist with establishing whether outages are due to feed failure or upstream equipment failure.

Each channel has separate high and low level thresholds, which require only a voltmeter and a signal source to set up.

There is a changeover relay contact for each threshold, as well as a power fail relay contact. This allows implementation of various signalling scenarios.

Future units will be available with a network port supporting a variety of protocols, including SNMP V1 and V2c and TCP/IP sockets, as well as a web browser. The same units will also include a serial remote monitoring & control port supporting 4-wire RS-485.

The unit is currently available in an extruded box intended for wall or panel mounting. Other options are possible; please discuss with the factory.

## SPECIFICATION

Physical:	(-0x versions) Extruded case, 170 (W) x 53.5 (H) x 220 (D)mm
Power:	90-254V a.c., 48-62Hz, 20VA max. IEC mains inlet
RF Inputs:	Two separate channels, SMA female.
Input Frequency:	10MHz to 8000MHz
RF Levels:	-50dB input range, between -55dBm and +5dBm (dependent on input frequency).
Relay Outputs:	Three form C relay contacts per channel, rated 30V d.c. 0.5A, on 9-way D-type plug: High limit Low limit Power fail
Threshold adjustment:	Requires voltmeter and signal source. Adjustments behind panel

### **Ordering Information**

DDA273-01 Panel mount unit, dual channel, relay outputs