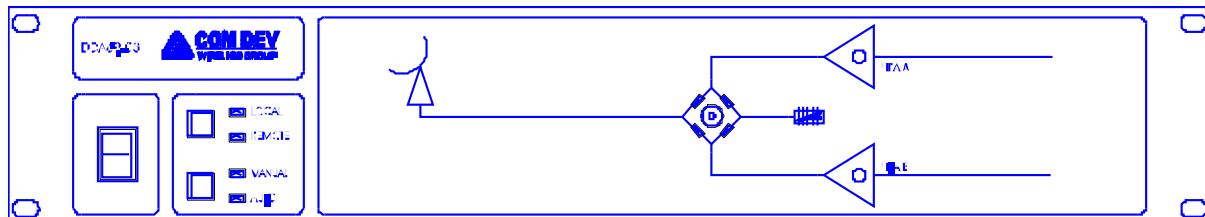


DOUBLE D ELECTRONICS LTD

DDA69-03 1+1 Waveguide Switch Controller

- * 1+1 HPA configuration
- * Automatic Changeover
- * Auxiliary alarm inputs
- * Remote Monitoring & Control Port
- * 2U package
- * Compatible with DDA70 family



The DDA69-03 is a waveguide switch controller intended for protecting 1+1 systems, such as are found in small earth stations and mobile applications.

It allows local control of a waveguide switch, which is used to select one of two HPAs to air.

Alarm signals are accepted from the HPAs, and in automatic mode the DDA69-03 will automatically change over when the on-line HPA fails.

Two additional alarm inputs may be used to mute both HPAs; from load temperature sensors for example.

A comprehensive remote monitoring and control interface, via a 4-wire RS-485 serial port, allows full access to the controllers features.

A variety of configuration options may be set via an internal DIP switch. These include the polarity of the alarm inputs, and the delay before automatic switching takes place.

SPECIFICATION

Physical: 2U 19" rack, 360mm deep (excluding connectors)

Power: 90-250V a.c., 50VA max. Single power feed

Inputs: HPA fault (2 off) - volt-free contact
General alarm (2 off) - volt-free contact

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Outputs: Waveguide Switch control & monitoring
HPA mute - active while switching
Summary Alarm - volt-free changeover contact

Automatic Changeover:

Configurable to either 2 seconds or <200msec after on-line HPA signals a fault.

Host Serial: 4-wire RS-422/RS-485, fixed 9600,7,e,1. Supports "Printable ASCII" and "STX/ETX" protocols. Command set options give DDA70 (waveguide switch controller) and DDA78 (VRPC/CRCA controller) compatibility.

Ordering Information

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