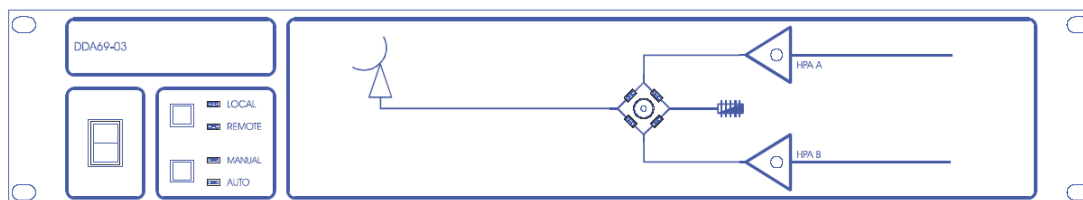


# I+I Waveguide Switch Controller

- I+I 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 I+I 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	
<b>Physical</b>	2U 19" rack, 360mm deep (excluding connectors)
<b>Power</b>	90-250V a.c., 50VA max. Single power feed
<b>Inputs</b>	HPA fault (2 off) - volt-free contact General alarm (2 off) - volt-free contact
<b>Outputs</b>	Waveguide Switch control & monitoring HPA mute - active while switching Summary Alarm - volt-free changeover contact
<b>Automatic Changeover</b>	Configurable to either 2 seconds or <200msec after on-line HPA signals a fault.
<b>Host Serial</b>	4-wire RS-422/RS-485, fixed 9600,7,e,1. Supports "Printable AS-CII" and "STX/ETX" protocols. Command set options give DDA70 (waveguide switch controller) and DDA78 (VRPC/CRCA controller) compatibility.

Selection Guide	
<b>DDA69-03</b>	1+1 Waveguide Switch Controller