



# RC3000-WG

## Waveguide Switch Controller Option for the RC3000 or RC3050



Save rack space by integrating the SNGV waveguide switch control function into the the RC3000 Satellite Locator or the RC3050 Jog Controller. Wideband feed structures with waveguide switches allow for a smaller range of polarization motion, eliminating the need for a rotary joint on that axis.

### Features

- ◆ **Saves Rack Space**  
*eliminates the need for a separate, rack-mounted switch control.*
- ◆ **Friendly User Interface**  
*Operator interaction can be tied to the H/V keypad keys or through an alternate menu.*
- ◆ **Switch Status Monitoring**  
*4 status inputs may be driven from the high side or the low side*
- ◆ **Optional RS-422 Control Interface**  
*Remote control from many popular PC software packages*
- ◆ **Simplifies Cross-Pol tuneup**  
*Nulling the cross-polarization level and switching the feed guarantees optimum polarization positioning.*
- ◆ **Overcurrent Protection** *Allows for the the current surge during switching and protects against short circuits.*
- ◆ **Multiple Drive Levels** *Works with many DC driven switches.*

### SPECIFICATIONS (preliminary)

#### PHYSICAL

Size: integrated into RC3000/RC3050  
Weight: 8 oz.  
Input Power: receives power from RC3000.  
Temperature: 0° -50° C

#### INTERFACES

Connector: DB-15 Receptacle on Back Panel.  
Status Input: 4 status inputs, configurable High-side or low-side drive with 12V regulated supply  
Drive Output: DC: configurable 5V, 12V, 24V, 28V, 36V 3 Amps max current. Specify with order

## Research Concepts, Inc.

5420 Martindale Shawnee, Kansas USA TEL: (913) 422-0210, FAX: (913) 422-0211

Website: [www.researchconcepts.com](http://www.researchconcepts.com) Email: [support@researchconcepts.com](mailto:support@researchconcepts.com)