

## RF-AB RF A/B Switch

### Applications

232-ATSC+ Tuner  
Automated RF Switching



### Sales Support

*Need help finding integration solutions for your application? Our Sales Support staff will be happy to work with you, providing expert integration assistance and a complete systems proposal.*

### Tech Support

*Need tech help? Give us a call. Our tech support staff are experts in the integration industry, so we can research solutions in the proposal stage, advise on programming requirements, and resolve installation issues.*

*Our job is to make our solutions work seamlessly with your system, performing as promised.*

### Related Products

232-ATSC+1 Tuner

The Contemporary Research RF-AB RF Switch is a self-terminating remote controllable RF A/B switch.

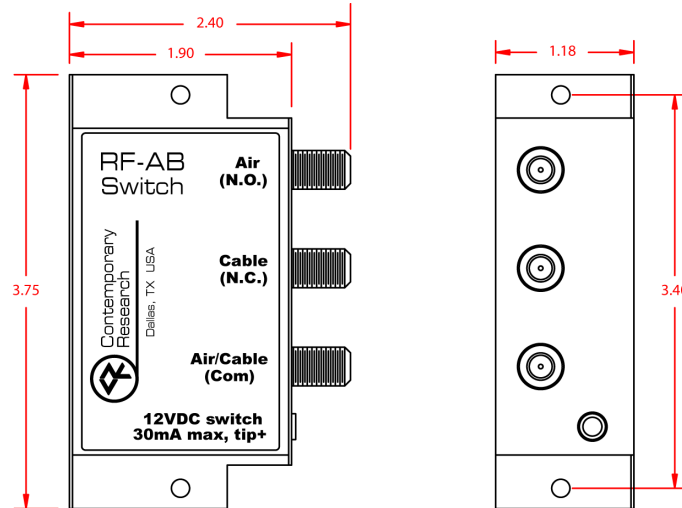
When used with the CR 232-ATSC+ HDTV Tuner, the RF-AB will automatically switch between Air and Cable RF feeds. The included 3.5 mm cable connects the RF-AB to the A/C jack on the back of the tuner.

As a general-purpose RF A/B switch, the RF-AB correctly handles RF signals by terminating the RF feed when it is switched off. In addition, the switch will default to the Cable input when there is no DC power.

### Features

- Switches two RF feeds to one output
- Terminates RF inputs when switched off
- High RF isolation
- 2.5 GHz bandwidth allows use for air, cable, and satellite RF
- Remote controllable with 12 VDC current on/off
- Defaults to Cable input when unpowered
- Metal enclosure, can be mounted horizontally or vertically
- Connects to 232-ATSC+ HDTV Tuner for integrated Cable/Air channel tuning

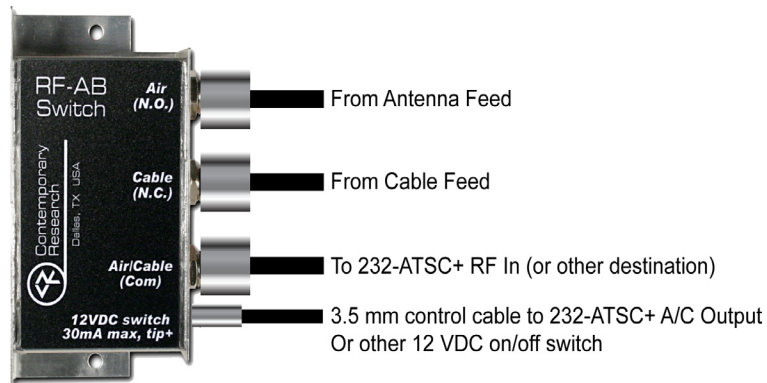
## RF-AB RF A/B Switch



### Specifications

Feature	
<b>Physical</b>	1.9" wide (2.4" w/F connectors) x 1.18" height x 3.75" deep 8 oz [226g] Dual brackets allow vertical or horizontal mounting Durable metal enclosure
<b>RF</b>	
<b>Switching</b>	High-frequency NO/NC relay operation, defaults to Cable input when unpowered
<b>Termination</b>	Unswitched RF input is terminated at 75 ohms
<b>Bandwidth</b>	Frequency pass range DC to 2.5 GHz
<b>Signal</b>	Max signal level +58 dBmV
<b>Insertion</b>	Insertion loss <0.12 dB at 900 MHz, 0.25 dB at 2.1 GHz, 0.4 dB at 2.5 GHz
<b>Isolation</b>	Very high RF isolation of 78 dB at 100 MHz, 70 dB at 900 MHz, 49 dB at 2.1 GHz, 40 dB at 2.5 GHz
<b>Control</b>	Switch control 10 to 19 VDC, typical 12 VDC at 30mA max Defaults to Cable input when unpowered 3.5 mm control input jack
<b>Includes</b>	6' 3.5 mm to 3.5 mm control cable

### Installation



### Warranty

All CR products feature a full two-year warranty.