

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+ 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.

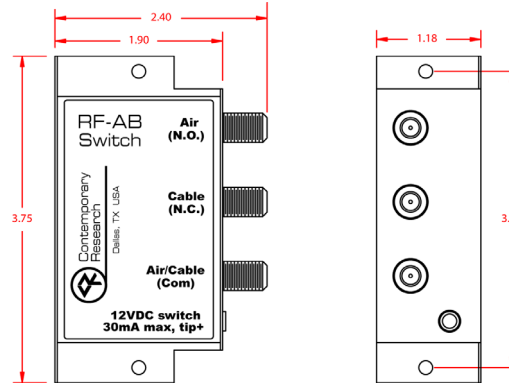
Features

- 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 Solutions

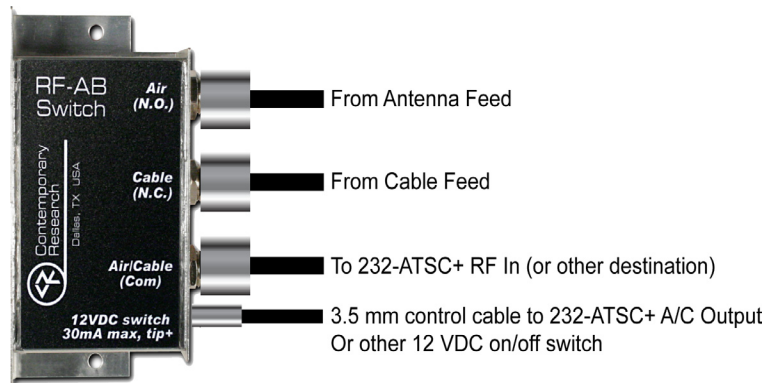
RF-AB RF Switch

Specifications



| Feature | |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Physical | 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 |
| RF | |
| Switching | High-frequency NO/NC relay operation, defaults to Cable input when unpowered |
| Termination | Unswitched RF input is terminated at 75 ohms |
| Bandwidth | Frequency pass range DC to 2.5 GHz |
| Signal | Max signal level +58 dBmV |
| Insertion | Insertion loss <0.12 dB at 900 MHz, 0.25 dB at 2.1 GHz, 0.4 dB at 2.5 GHz |
| Isolation | 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 |
| Control | Switch control 10 to 19 VDC, typical 12 VDC at 30mA max Defaults to Cable input when unpowered 3.5 mm control input jack |
| Includes | 6' 3.5 mm to 3.5 mm control cable |

Installation



Warranty

All CR products feature a full two-year warranty.