

## TRC Series Controllers

### Multiple Solutions

The TRC Series offers several models designed for use with one, two or three switches. And, unlike most other controllers, Tunwall Radio controllers are compatible with all standard coaxial switches. The TRC-1, 1P, 2 and 2A can also be used with RF contactors for non-directional AM stations. The TRC-3 is a three switch controller designed for combiner systems.

If one of our standard units does not fit your project layout, Tunwall Radio can custom design a control system to meet your needs. Customization can occur with one or multiple switches, multiple transmitters, antennas, loads and patch panels.

TRC Series controllers are being used by stations in over 125 markets. For more information please visit our website [www.tunwallradio.com](http://www.tunwallradio.com).

*The TRC Series is available for direct sale or through select dealers. Custom units are direct sale only.*

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TRC Series Controllers 2010

## TUNWALL RADIO



TRC-1 Controller

**Single, multi-switch and  
custom designs**

**[www.tunwallradio.com](http://www.tunwallradio.com)**

## TRC Series Controllers from Tunwall Radio



The TRC-1: for one switch, two transmitters and one antenna

### Safe Switching

A switch controller from Tunwall Radio provides protection for transmitters and coax switches. Without an active switch and transmitter controller, operator error can easily result in burned-out switches and off-air time. Our controllers use a timed sequence to remove RF power, move the switch(es), and verify switch positions before RF power is restored. The controller's automatic load interlock allows easy load testing with load protection – the controller will not allow the off-air transmitter to operate unless the load's air or water is running.

### Unique Design

Controllers are not useful if no one can figure out how they work. The TRC series unique front panel flow chart graphic with switch position indicators displays the RF signal path and load status. Front panel pushbuttons make operation simple.

The key switch operated local mode prevents remote commands during maintenance. The key switch operated auto transfer function can change transmitters automatically upon main failure.

Optional controller-to-switch cables can be made to your desired length for any switch type.



The coaxial switch plugs into the 9-pin amp connector. Transmitter and remote control connections are made to barrier strip terminals.

### Convenience and Reliability

Tunwall Radio controllers will save you time because there is no need for you to program anything. The pre-programmed PLC (programmable logic controller) provides control and logic for the coaxial switch and transmitters. The NAIS PLCs used in the TRC series have proven to be extremely reliable. They are designed to withstand typical challenges to electronic equipment in industrial environments; heat, dust, vibration, magnetic fields and power line transients.

#### TRC Series Controllers

- *No user programming required*
- *Compatible with all coaxial switch types, 12V, 24V, and 120V switch control outputs*
- *Front panel flow chart graphic and indicators show RF connections*
- *Remote status and control connections*