



Tekron Communication Systems

TRC-8RF

RADIO REPEATER REMOTE SITE MONITOR & CONTROL STATION



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GENERAL FEATURES

The TRC-8RF is part of the TRC-12 product solution designed for Remote Site Monitoring & Control of signals & passive infrastructure (for site security, environmental, Power AC & DC and RF-Signals)

The TRC-8RF is specifically configured for Radio-Repeater remote Site monitor and control applications, to monitor critical site passive infrastructure, as well as the repeater RF-power output, with remote control and scheduling capabilities.

The TRC-8RF design objective is to allow technical maintenance personal to access any remotely deployed unit from their smart phone to monitor/control and verify the Radio Repeater Health, to configure and set monitor-alarm & control parameters from its Web-Interface (GUI), as well as monitor alarm status & verify parameters level (RF-output, temperature, voltages...etc) in real-time to take immediate action. In addition, failure alarms are sent automatically via Email to designated persons, and snmptrap to NMS PC-station if available.

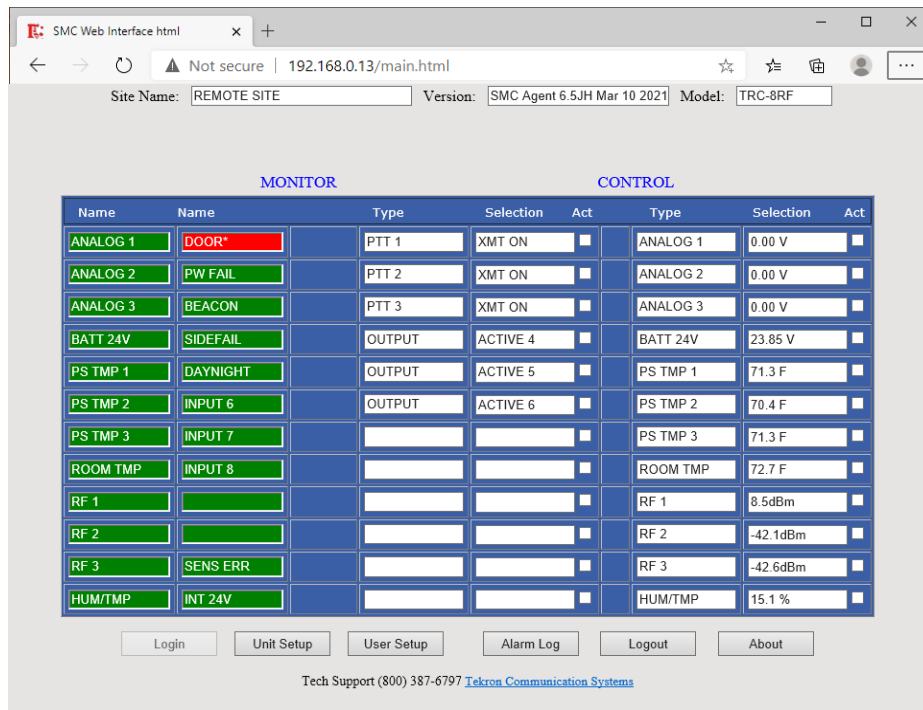
TRC-8RF monitor & control capabilities:

- Eight (8) external analog inputs to monitor voltages and sensors (Temp/Hum...etc)
- Eight (8) external digital input to monitor TTL and contact-closure alarms
- Eight (6) external relay control outputs.
- Up to 3 RF-inputs available to monitor & measure Repeater(s) RF-power output.

FEATURES & BENEFITS

- Web-Enabled with embedded Web-Server that eliminates the need for separate purchase, use & upgrade separate Software Application.
- Remote IP-Network access from Web-interface (GUI), opens from any Web-Browser and scalable for ease of use from phone or Tablet.
- RF-Power level monitoring of multiple Repeaters at same remote site.
- Analog inputs High-precision & Stability measurements, with their levels displayed in real-time in the Webpage GUI.
- Relay Outputs with scheduling, momentary/latched & delay settings.
- Digital inputs with isolated input & ground to eliminate RF noise.
- Simplicity & accessibility to monitor & set input type & parameters.

GENERAL SPECIFICATIONS



POWER INPUT

24V DC, 500mA wall adapter, unit consumption: 200mA, 6 Watts

CONTROLLED OUTPUTS

Solid state relays, normally open 60V 400mA

DIGITAL INPUTS

Opto-coupled, 3mA min. active when pulled-down

Works with digital logic, TTL, CMOS and open contacts

ANALOG INPUTS

Analog mode: Measurement $\pm 35V$ max., 0.2% precision

Single ended or differential, bipolar voltage

current loop mode: 1% precision, reads input from 4-20mA sensors (e.g. Temperature)

No need for external resistance or external 24V source in current loop mode provided 24V is protected against shorts.