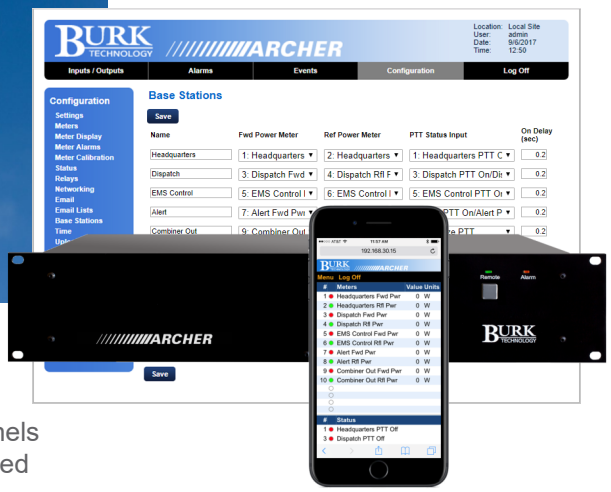
ARCHER

Critical Communications Site Management

- Respond fast to equipment failures.
- Capture RF drop-outs and intermittent faults.
- Monitor RF performance, power distribution, environmental / HVAC, security, networking and other site equipment in real time.
- Remotely activate backup systems.



Efficient, Flexible Alarm Notification

Alert appropriate personnel with selective email and SMS text alarms. Each warning or critical alarm can be directed to a specific person or email list.

Access from Anywhere

Archer's built-in web server allows access from anywhere via PC, smartphone or tablet. AutoPilot® for Archer software provides graphical management of individual sites or entire networks with integrated data logging, alarm management and automated report generation.

Remote Site Control

Switch to a backup transmitter or antenna. Reboot remote equipment or start a generator. Built-in relay outputs put control of site functions at your fingertips.

Increase System Availability

Fast detection and correction of system faults ensures that radio channels are available when first responders need them.

RF power measurements at base station and combiner outputs pinpoint faulty transmitters or weather-damaged antennas. Infrastructure monitoring keeps support systems on-line.

Track Base Station Performance

Archer's unique Base Station Monitoring feature lets you group forward and reflected power measurements with associated keying signals for accurate power monitoring and alarm generation. Or let Archer calculate the keying interval based on forward power thresholds.

Reduce Travel Time

Accurate knowledge of site conditions means you will be prepared with the right tools and equipment to restore operation quickly without costly repeat visits.

www.burk.com

Solutions you can use. Experience you can trust.℠

BURK TECHNOLOGY

Accessories

AutoPilot® for Archer
Manage one or many Archer systems. Create custom control views. Monitor your entire system then drill down for site details. Log site data, generate reports and manage alarms. Use logged data to diagnose current and past performance of mobile radio base stations.

BTU-4D
The BTU-4D Burk Digital Temperature Unit connects up to four digital temperature sensors to the Archer system.

For a full list of accessories, visit www.burk.com.

Line Voltage Sensor
Each LVS Sensor monitors a single phase AC power circuit and provides a low-voltage DC output sample that tracks linearly with the AC input voltage.

AC Current Sensor
The AC Current Sensor has a selectable input range and a 0-5VDC output for connection to an Archer meter input.

Tower Light Monitor
The TLM is a universal lamp alarm relay designed to sense the failure of flashing or steady incandescent beacon lamps or steady side lights.

Specifications

Meter Inputs: 16

Meter Input Range:
-10 to +10VDC

Meter Alarm Thresholds:
Low Alarms: Critical and Warning
High Alarms: Critical and Warning

Status Inputs: 16
Can be designated as PTT inputs to control forward and reflected power measurement.

Status Input Range:
0 to +28VDC or switch closure
<.5 VDC = ON; >2.1VDC = OFF

Base Station Monitoring:
Group up to 8 sets of forward and reflected power measurements with associated keying signals.
Synthesized PTT can be used if an external qualifying signal is not available.

Relay Outputs: 8

Relay Contacts:
Form C
Momentary or Latching
Max 5A, 240VAC

Email and SMS Alerts:
User selectable per status input and meter input;
10 email lists of up to 20 email addresses each

User Interfaces:
Web interface for PCs and tablets;
Mobile web interface for smartphones;
Optional AutoPilot for customized graphical control, alarm management, data logging, report generation and PTT Flip-book analysis.

Rear Panel Connections:
8 Relay Outputs
16 Status Inputs
16 Meter Inputs
RJ-45: Ethernet
IEC: Power

Power Requirements:
100 to 240VAC, 47–63Hz, 1A;
Power entry module with standard, grounded power cord supplied;
1A fuse protection

Operating Environment:
0° to 40° C
5 to 85% RH

Dimensions:
1.75" (4.45 cm) H
19" (48.26 cm) W
12" (30.48 cm) D

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Specifications subject to change without notice.

About Burk Technology

Burk Technology designs and manufactures high quality facility monitoring and control systems for mission critical applications, with thousands of active broadcast industry installations across the US and around the world.

Founded in 1985, Burk brings over 30 years of innovation and continuous improvement to remote facility management, setting the standards for reliability, flexibility and ease of operation.

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