

RF500 Wireless Monitoring

• Exceptional data integrity • Complete peace of mind



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» Is your application....



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Do you need?

- 24/7 Data Capture
- Alarms to multiple users
- Ease of access to real-time and historic data
- Viewable audit trails
- Reliability
- Repeatability
- Minimal installation
- Single service provider
- Cost effective solution



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☉ The solution is Comark RF500 Wireless Monitoring for:

- Temperature
- Humidity
- Multi-parameter applications
 - Flow
 - Pressure
 - Level
 - Extra high temperatures
 - Gases
 - And many more.....



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RF512 Temperature Transmitter

Has an integral temperature sensor plus connectors for two external thermistor probes and an external door sensor. External Temperature Measurement Range: -40°C to +125°C



RF516 High Temperature Transmitter

Is a precision temperature transmitter with an integral temperature sensor plus connectors for one external PT100 probe and an external door sensor. Temperature Measurement Range: -200°C to +400°C

RF513 Humidity Transmitter

Has an integral temperature and humidity sensors plus a connector for an external door sensor. Temperature Measurement Range: -30°C to +70°C



RF515 Multi-parameter Transmitter

With inputs of current and voltage can be easily connected to a current loop and programmed to measure an extensive range of parameters.



RF500 Gateway

Connects directly to the local area network for 24/7 access to data via internet browser

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» Gateway features



- Antenna
- LEDs for active/alarm indication
- Worldwide licence free 2.4Ghz
- Over 500 channels
- 128 transmitter capacity across 32 locations
- No need for dedicated PCs and additional software or user licences
- Web browser technology means data is available 24/7 via PCs or PDAs
- Secure Lumberg connector for probes



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» Transmitter features



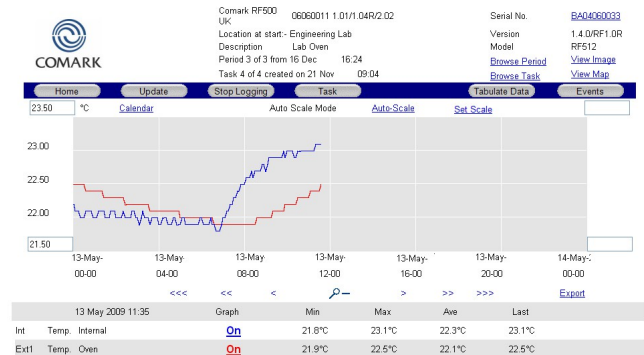
- Large LCD allows local view of temperature, RH (RF513), multi-parameters (RF515), and door opening information plus alarms and RF status
- LEDs for active/alarm indication
- Antenna
- Selectable scales °C or °F, %RH or DP (RF513)
- Compact size waterproof case with BioCote® antimicrobial surface protection
- Door event sensor
- AC/Mains power connector
- Secure Lumberg connector for probes

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» More about RF500 Web Browser

- Multi-graphs and data exporting
- Corrective action recording
- MKT and lethality calculations
- Full Audit Trail management
- Optional backup software
- High security features aid 21CFR Part 11 compliance
- Event logging
- Low battery alarms



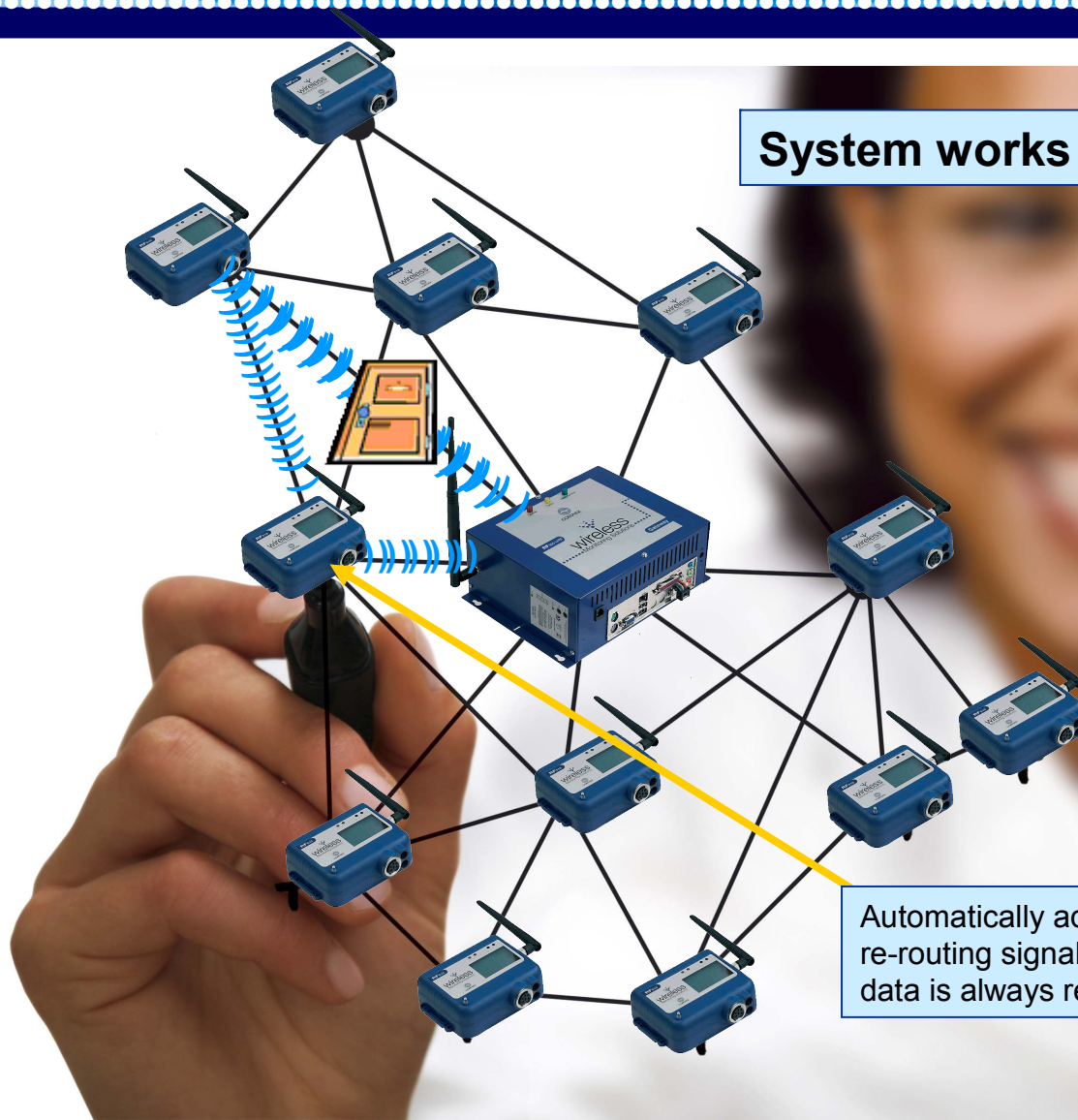
The screenshot displays the 'Audit Trail for May 2009' interface. It shows a table of events with columns for Date, Action, User, and Comments. The table lists various events such as 'Login', 'Transmitter Event', 'Signal returned for Tx CA11070314', and 'Alarm Acknowledged'. The interface includes navigation tabs: Back, Calendar, Day Mode, Week Mode, Month Mode, and Refresh. Below the table, there is a section for 'Click on Time, Action or User to sort' and a link to 'Enable view of transmitter alarms'.

Date	Action	User	Comments
13 May 2009 13:30	Login	comark	
13 May 2009 12:59	Changed or viewed Email Settings	selinf	
13 May 2009 12:58	Changed or viewed Email Settings	selinf	
13 May 2009 12:57	Login	maldonan	
13 May 2009 12:53	Login	selinf	
13 May 2009 11:56	Login	comark	
13 May 2009 11:55	Logged out	comark	
13 May 2009 11:52	Login	comark	
13 May 2009 11:31	Login	comark	
13 May 2009 08:51	Login	jackie	
13 May 2009 07:25	Transmitter Event	System	Signal returned for Tx CA11070314
13 May 2009 07:23	Login	comark	
13 May 2009 07:22	Logged out	comark	
13 May 2009 16:53	Transmitter Event	System	No Signal for Tx CA03070089
12 May 2009 16:18	Transmitter Event	System	No Signal for Tx BA0500005
12 May 2009 16:24	New Task	comark	No CA03070089 Task 5, Quality Message
12 May 2009 16:23	Login	comark	
12 May 2009 15:07	Transmitter Event	System	No Signal for Tx CA11070314
12 May 2009 14:31	Transmitter Event	System	Signal returned for Tx BA0500005
12 May 2009 14:26	Logged out	comark	
12 May 2009 13:18	New Task	comark	No CA11070314 Task 1, CA11070314
12 May 2009 13:17	Transmitter Event	System	External power restored for CA11070314 at 18 May 2009 12:09
12 May 2009 13:15	Transmitter Added	comark	Click reset for Tx CA11070314 on 12 May 12 14 18:56 2009
12 May 2009 13:14	Login	comark	Transmitter CA11070314 added
12 May 2009 13:14	Logged out	comark	
12 May 2009 12:25	Alarm Acknowledged	comark	Serial No. CA03070089 Task 4, during Period 1 actions taken: petes test
12 May 2009 10:41	New Task	comark	No CA03070089 Task 4, Quality Message
12 May 2009 10:36	New Task	comark	No CA11070314 Task 6, Data G File Cab
12 May 2009 10:34	New Task	comark	No CA11070314 Task 7, Data G File Cab
12 May 2009 10:32	New Task	comark	No CA11070314 Task 8, Data G File Cab
12 May 2009 10:30	Login	comark	
12 May 2009 09:09	Login	comark	
12 May 2009 08:47	Transmitter Event	System	Signal returned for Tx CA03070089
12 May 2009 08:37	Logged out	comark	
12 May 2009 08:40	Logged out	comark	
12 May 2009 08:37	Login	comark	
12 May 2009 01:20	Transmitter Event	System	No Signal for Tx CA03070089
11 May 2009 23:26	Transmitter Event	System	Signal returned for Tx CA03070089
11 May 2009 21:03	Logged out	comark	
11 May 2009 21:02	Logged out	comark	
11 May 2009 20:59	Alarm Acknowledged	comark	Serial No. CA11070499 Task 8, during Period 1 actions taken: demonstrating how to acknowledge an alarm
11 May 2009 20:54	Login	comark	

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System works on mesh network

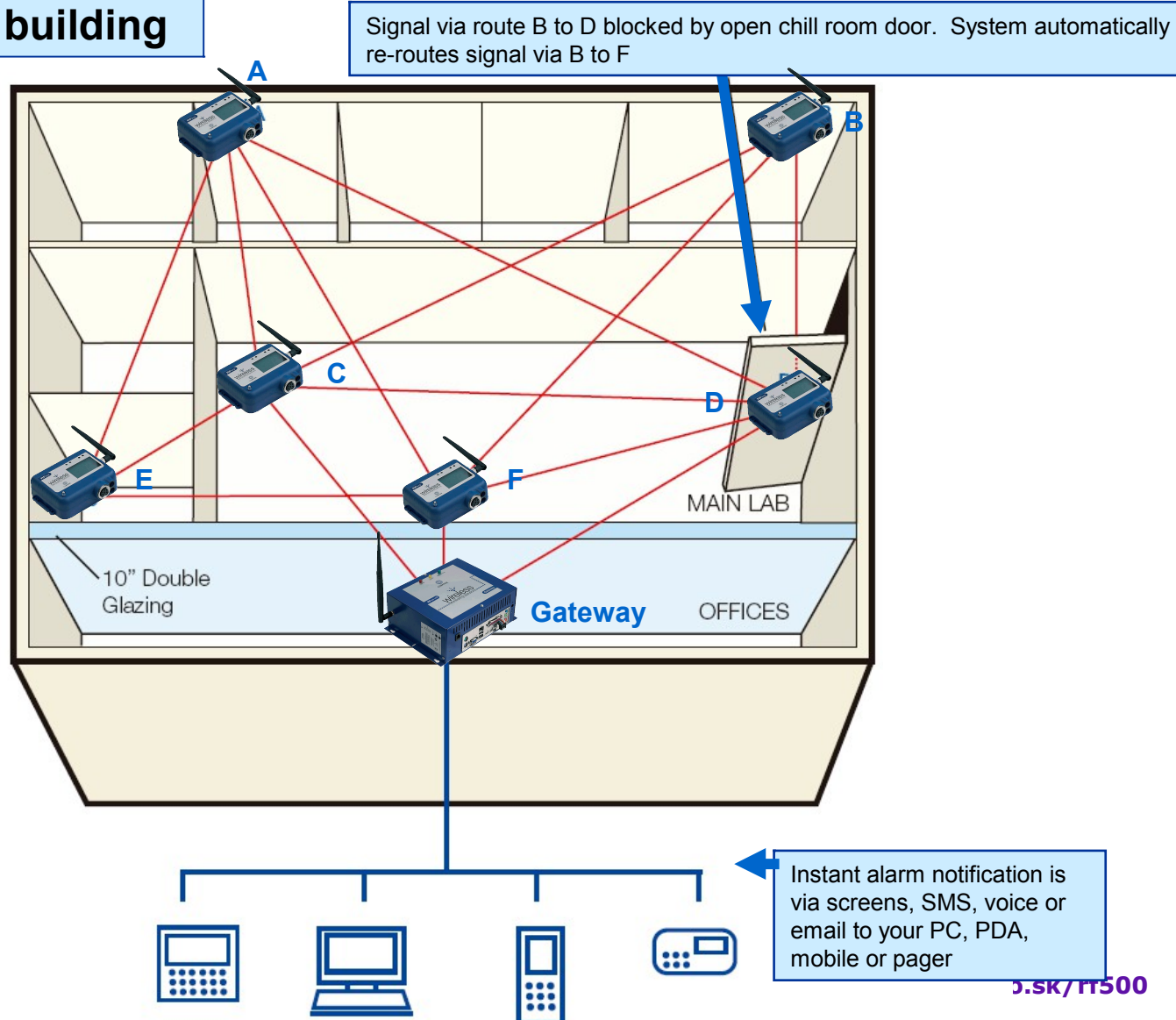


Automatically adjusts to environmental changes, re-routing signals as required to ensure that data is always returned to the Gateway

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How this works in a building



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» Transmitters store data so in the event of an extended power failure to the Gateway or loss of the mesh network backbone, data is retained and automatically retrieved on power and restoration of the backbone.

ADR
Automatic Data Retrieval

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RF500 Validation

- On-site validation of transmitters and probes at customer request
- IQ, OQ, PQ Validation Document
 - Assistance meeting regulatory compliance available
 - MHRA
 - FDA
 - BRC



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© RF500 Service and UKAS

- On-site service and maintenance available for added convenience
- On-site UKAS – no downtime for your operation
- Further UKAS Certificate options include:
 - Hardware swop-out
 - UKAS certified transmitter and probe for comparative measurement
 - KM20REF Validator Kit
- Temperature Mapping



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» RF500 for peace of mind application

