Wireless monitoring & alarm system

DATAssure™

Comprehensive next generation wireless system providing affordable real time monitoring and alarms.

The DATAssure™ system provides all the features you would expect from a modern monitoring system, including a clear colour touchscreen, 12 hour battery back-up and up to 10 years plus data storage. Up to 150 sensors can monitor a variety of parameters including temperature, humidity, carbon dioxide, liquid nitrogen level, oxygen level and door status.

Each wireless sensor sends a reading every minute over the dedicated wireless network to the base station. The base station reviews the data against pre-set warning and critical alarm parameters defined by the user to generate audible and visual alarms or alerts via email and SMS text.

DATAssure™ provides secure multi user access with the flexibility of being able to view the data, and react to alarms from any web enabled laptop, tablet and smart phone.

All data is stored in a secure tamperproof format for later review and report creation. The web interface provides access to real time data, alarm notifications, full audit trails, analytical graphing tools and a report generator – all via any standard browser.

- Customizable – to meet budgetary and technical requirements

- User friendly – easy to use web based system

- Constant protection – always on system providing 24 hours protection

- Comprehensive - vast array of different sensor types

- Regulatory compliant

Want to find out more about monitoring? enquiries@planer.com

PLANER
PRESERVE / PROTECT / NURTURE

DATAssure™

Data & Data Storage	
Internal Memory Storage Period	150 sensors 6 months, 75 sensors 1 year, 30 sensors 2 years
Data Back-up Media	Integral – up to 8 Gb Micro Industrial HD MMC
Back-up Memory Storage Period	150 sensors 4 years, 75 sensors 8 years, 30 sensors 10 years+
Back-up Frequency	Automatic – daily
Manual Back-up	Via Micro USB connection to a USB connected storage device
Battery Back-up	Yes, Up to 12 hours during normal system operation
Display - Resistive Full Colour Touch Screen	Yes
Maximum Number of Sensor Inputs	150 wireless or hardwired sensors per base station
Resolution of the Sensor Readings	Integer to 3 decimal places as required
Wireless Frequency	
433 Mhz (Europe)	Yes
2.4 Ghz (ROW)	Yes
Wireless Transmission Distance	433 Mhz - 1 km (typically 250 meters in buildings) 2.4 Ghz - 100 m (typically 30-50 meters in buildings)
Range Extender available	Yes
Users & Security	
Max Number of Users	20
Network Connectivity	Yes
Security	
Username & Passcodes	Yes
Passcode Expiry	Yes
Multiple User Levels	Yes
Data Storage Rate	Automatic – daily
Browser Security	HTTPS Capable
Email	SSL Encryption Capable
System Alarms	
Set Points	Upper & Lower Warning & Critical Alarm Set Points
Alarm Delays	User Defined
Audible Alarm	Yes
Alarm Email	Yes
Inputs / Outputs	
Relay Outputs	2
Micro USB Output	Yes
Mini Din Input for External Hard- wired Hardware	Yes
Universal 5 V DC power adaptor	110 to 240 V Power Supply

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