

## Wireless monitoring and alarm system

# DATAcentre

**Keeping a busy laboratory safe and compliant can be difficult. The DATAcentre standalone alarm system can help you look after your valuable samples and the safety of your team.**

The DATAcentre base station can support up to 120 sensors to monitor temperature, humidity, carbon dioxide, liquid nitrogen and oxygen levels, the door status and much more. You can extend the system by adding additional base stations.

If there is an alarm, text or email alerts can be sent to key personnel wherever they are in the world. As every alarm event is logged and access only by password can be configured, a complete audit trail is easily available either via the base centre or web browser.

- Monitors temperature, LN2, O2, CO2, humidity etc.
- Monitors door status
- Connects up to 120 wireless sensors and 120 wired sensors
- Optional SD card can store data for up to 10 years
- Range of alarm options, including visible, audible and email alerts
- Plug in and go, so no need for expensive installation

**Want to find out more about monitoring? [enquiries@planer.com](mailto:enquiries@planer.com)**



# Monitoring and alarm system

DATAcentre

GENERAL	
Dimensions	200mm (W) x 140mm (H) 55mm (D)
Weight	550 to 800g depending on fitted modules
Operating Temp.	0°C to 40°C
Material	4mm thick High Impact UL94V0 Fire rated polystyrene
Supply	5V DC via external power brick (Supplied)
Operating System	Embedded
Processor	DS400 with 2M flash 1M Static Ram
Display	High contrast 128 x 64 graphics display
USER MANAGEMENT	
Passwords	Service and user level passwords
Log	Alarm and event log
ARCHIVE DATA & REPORT	
MMC (Mass Storage)	2GB providing 1 yrs archived data at 1m interval
USB	USB 2.0 (For reports and data backup)
HACCP	HTML & CSV reports produced daily to internal MMC
BATTERY BACK UP OPTIONS	
Part Number	Description
FTEM02LCMU101/BB	Battery Backup 3.5 Hour Internal BB
FTEM02BBU101	Battery Backup 15 hour External
FPLG60T	Uninterruptible power supply which powers the DATAcentre for at least 27 minutes without mains power
ALARM NOTIFICATION	
Screen	Provides real-time data detailing current alarm status
LED	LED Traffic light style (OK, WARNING, ALARM)
Sounder	Internal sounder

## Features

- Stand alone operation, or optionally connect to local area network (LAN)
- Receives input from up to 120 wireless or wired Sensors
- Repeaters available to boost wireless signal
- Built in visual, audible and email alarms
- Connectable to auto-dialers for text message and phone call alarms
- Up to 10 years on board data storage
- 1 minute recording intervals
- Up to 8 hard wired temperature sensors can connect directly to the system
- Email alarms available via LAN

Relay	Single volt free relay output providing NC & NO contacts
Email	Up to 5 external email addresses
IP	Alarm message directed to up to 3 IP addresses
LOW POWERED RADIO MODULE	
Frequency	433MHz (Europe) licence free, 6 channels 915MHz (US) licence free, 6 channels
Power	10mW maximum
Communications	Bi-directional
Protocol	Proprietary
SENSOR TYPES	
Internal inputs	Up to 8 hardwired temperature and/or volt- free digital inputs
Networked inputs	Up to 20, 8 channel modules providing temperature and volt free digital inputs
Wireless	Up to 120 devices providing temperature, humidity, 4-20 mA, pulse count and volt-free digital inputs
TECHNICAL SPECIFICATIONS	
Memory Capacity	16 Points 32 Points 64 Points 120 Points
2GB (std)	5.1 years 2.7 years 1.4 years 0.7 years

Specifications may change without notice, third party trademarks acknowledged.

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