EL005 ENVIROMON®
INDUSTRIAL DATA LOGGING SYSTEM

FOR MONITORING PHARMACEUTICAL SORES AND COLD ROOMS

Wide use in the cold rooms, blood banks and Pharmaceutical industry

EnviroMon systems are designed specifically for monitoring large areas that require multiple point monitoring and logging of temperature and humidity 24/7. The system is very flexble and easy to maintain, it consists of **EL005** industrial data logger, **EL026** Temperature & Humidity Converters and **EL030** Temperature and humidity probe, all are connects through two pair of CAT 5 Network cable.

Functions and instructions

❖ The system has its own wired network and own power over the NET, with internal backup battery to keep the system running for at least 24 in case of power cut.

❖ El026 converter with EL030 temperature and humidity probe will be installed on the zones required monitoring, then two pairs CAT 5 cable Daisy Chain all the EL026 with the El005 Data logger, the data logger connects to PC, either direct via RS232, or USB, or wireless through modem or router,

❖ Then the SiteLog software, will show live and records all the sensor value 24/7.

EL026
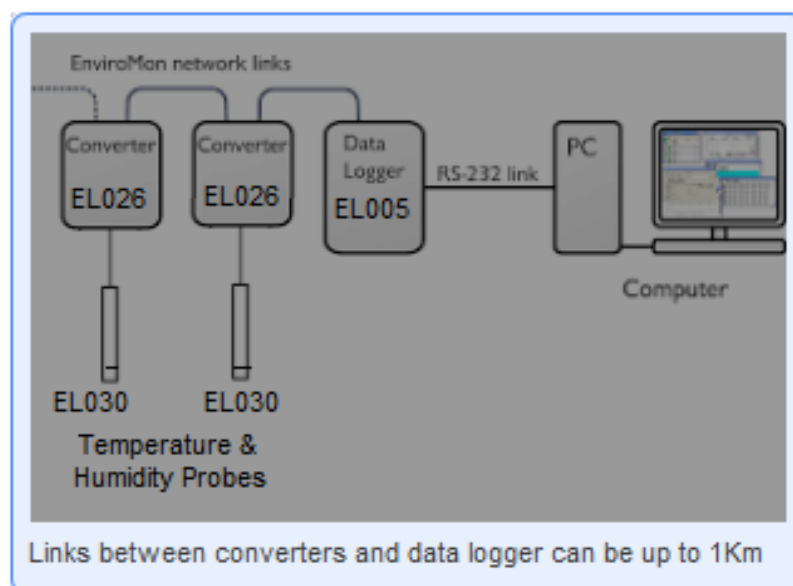
Temperature and Humidity Converter

EL030

Temperature and Humidity Precision Probe

EL005

Industrial Data logger

EnviroMon Connection diagram
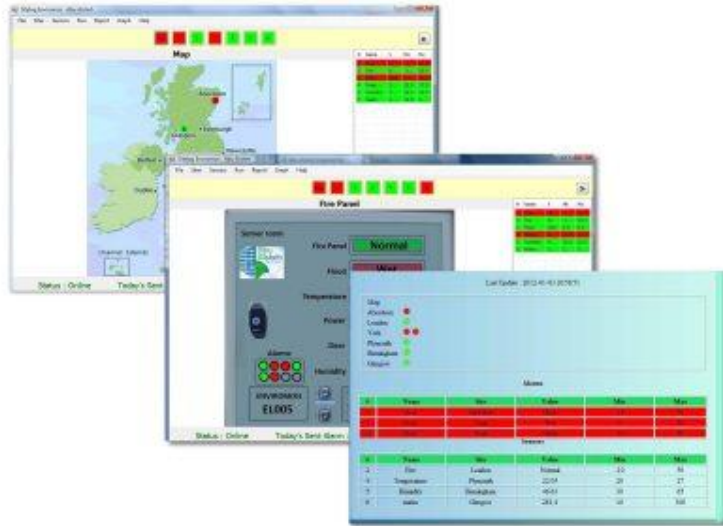
EL005 DATA LOGGER MODULE, THE HEART OF THE SYSTEM

EnviroMon Data Logger Specifications	
Logger	**EL005**
Sampling rate	1 to 240 minutes per sample
Max number of readings	250,000
Max number of converters	10
Max number of sensors	40
Communication support	Internet, LAN, WAN, GPRS,3G& 4G
Standard sensors	All Gases, Temperature all ranges , Humidity, differential pressure, power , current voltage, water leak, fire, motion, flow, dust, vibration, Emissions
Optional sensor	You can add any sensor with 4-20mA or 0 to 10VDC output
Power	240AC or 12 V DC 1A
Battery backup	Internal rechargeable NiMH cells
System Accuracy & resolution	Depends on each module and sensor (see modules below)

EL026 WITH EL030 TEMPERATURE AND HUMIDITY CONVERTER AND PROBE SPECIFICATION

EnviroMon can measure humidity/temperature using the EL026 converter and EL030 temperature and humidity sensor. Each EL030 is calibrated for high-accuracy measurements. The probe have 3 meter wire to calibration easy.

Sensor	Range	Accuracy	Resolution
Temperature	-20 to 70 °C	± 0.2 °C (0-70 °C) ±0.3 °C (rest of range)	0.01 °C
Humidity	0 to 95% non-condensing	± 2.5% (0 to 90%)	0.01%

1. Send SMS via the internet to an unlimited number of mobile phones without Modem.
2. Send emails to an unlimited number of email addresses.
3. Monitor Simultaneously unlimited remote EL005 data loggers at different sites worldwide.
4. Drag and drop the sensors reading at any site floor plan, control the colour and size of the reading.
5. Run a batch file or any executable file for each sensor alarm.
6. Select the date and time for data to be saved or printed.
7. Schedule report to store or send to unlimited numbers of e-mails
8. Controls air-condition for power saving
9. Very easy to use
10. Web page remote monitoring.
11. Monitoring IP cameras.
12. Send SMS when system offline
13. Send SMS when LAN/WAN internet Network is not available
14. Site map — drag and drop a complete site on to a map.

ENVIROMON SYSTEM IS DESIGNED AND MANUFACTURED IN UK BY ENVIROMON® LTD.

System Advantages

1- Hard wired no interference from external source or data conflicts.
2- Powering the Converters and sensor are from the Network, no battery required.
3- Data Logger Have Backup battery in case of power cut.
4- It's a very Safe system. It's Made in the UK and meets all approvals of the European safety standards.
5- Emergency shut down in case of fire, electronics meet UL fire regulation.
6- You can add other type of sensor for future system expansion.
7- Allows Humidity calibration, when the Humidity deviate with time.
8- The system is industrial which been used worldwide for over 20 years without problems.
9- Extremely accurate temperature measurement, can be as accurate as 0.1°C, Humidity 0.5%.
10- The system has been used in Jordan since year 2000 at many Governmental and private sites.
11- Local distributor with Telephone, email support and maintenance for more than 18 years.