



FEATURES

KP04AE and KP04AET EMS LCD Keypads allow display of Sensor values like Temperature, Humidity, Water Leakage, Current and more.

KP04AET includes a built-in Temperature sensor. Each keypad can display up to 8 sensor values from other Sensor modules like MSM01, other KP04AETs in the system or sensors from KNX, Modbus or C-bus.

Setpoints can be incremented or decremented or disabled. If the setpoint is enabled, if the sensor value exceeds the setpoint, an alarm is triggered in CM9001-EMS which can turn on the siren and send SMS or call to a maximum of 16 mobile phones.

APPLICATION AREAS

- Server Rooms/Data Centres
- Commercial/industrial refrigeration systems
- Telecom towers
- Wine chillers
- Any unattended facilities

SENSORS MONITORED

- Temperature
- Humidity
- Water leakage
- Current sensors (air conditioners and other equipment)
- Alarm sensors e.g. door and window contacts, motion sensors

Sensors can be by MSM01, KP04AET, or external sensors from KNX, Modbus or C-Bus systems.

KP04AE/KP04AET SPECIFICATION

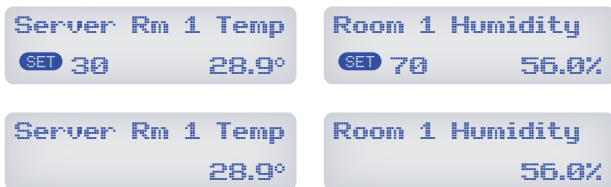
- Max 15 KP04AE/KP04AET in a system each with its own ID. Each keypad can be mounted in a different location or room, connected by CAT 5 cable to CM9001-EMS
- Built-in speaker with programmable siren sounds for each alarm
- Voice announcement using programmable Word List for each sensor
- One Touch Keys for Increment Setpoint, Decrement Setpoint, Enable/Disable Setpoint, Next Sensor
- Display Alarms caused by Sensors or Intruder Alarms in CM9001-EMS

KP04AE/KP04AET DISPLAY/ FUNCTIONS

- Max 8 Sensor values and Setpoints
- Setpoints can be enabled or disabled. If enabled, Alarm results when the sensor value exceeds its setpoint
- Increment and Decrement Setpoints (can be disabled)
- Programmable text description for each sensor (eg Server Room Temperature, Room 2 Humidity)
- Select Units to display (o C, %, Lux, Watts etc)



TYPICAL LCD DISPLAYS



KP04AET TEMP SENSOR

Model variation KP04AET has a built-in temperature sensor

- Resolution 0.1 deg C
- Accuracy +/- 1 deg c
- Range 0 to 45 deg C
- Setpoint Resolution 1 deg C

PROGRAMMING

By the FREE Configurator Software

<http://www.cytech.biz/comfigurator.html>

INTERFACE TO OTHER SYSTEMS

KNX, Modbus and C-bus sensors can be displayed in KP04AE/KP04AET using the relevant UCM Interface Module. Alarms can also be sent to these systems by mapping to the address of the other system.

PART NUMBERS

- CM9001-EMS Environmental Monitoring System Controller with 8 Inputs, 8 Outputs expandable to 96 Inputs/Outputs
- KP04AE EMS Keypad (without temperature sensor)
- KP04AET EMS keypad with Built-in Temperature Sensor
- MSM01 MultiSensor Module Wall mount with Built-in Temperature and Humidity Sensors and 2 Water Leakage Inputs for CM9001-EMS
- UCM/GSM4 GSM Module for SMS alerts for CM9001-EMS
- ETH03 Ethernet Plug- in Submodule to CM9001-EMS for Configurator programming and Cytech App
- UCM/Modbus Modbus Interface for CM9001-EMS
- UCM/KNX2 KNX Interface for CM9001-EMS
- UCM/Cbus2 C-Bus Interface for CM9001-EMS
- UCM/Pi for graphical display and email sending

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