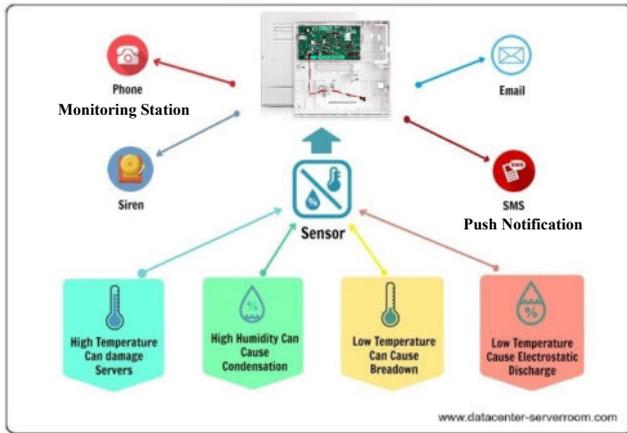


## Environmental Monitoring Systems

Environmental Monitoring System (EMS) monitor temperature, humidity, water leakage and heat /smoke detector/sensor. If the sensors programmed thresholds triggered or sensors go into alarm condition, the controller will trigger a local alarm (beeper and strobe light) and SMS, Push Notification or email will be send to designated persons to alert them of activation and to take appropriate response. It can also include reporting to Central Monitoring Station who will relay the status to designated persons for response.



### Typical Application of EMS:

- Office's pantry wash basin/water dispenser water leakage detection
- Server room/Data centre
- Air-conditioned Store/Warehouse for Sensitive electronic product/equipment
- Dispensary/pharmacy
- Medical fridge
- Medical equipment
- Refrigeration equipment
- Refrigerated truck/Cold store
- HVAC (Heating, Ventilation and Air-conditioning)
- Drying

### Versa IP Alarm Panel



Versa LCDM Keypad

### Perfecta 32 IP/LTE Controller



PRF LCD Keypad

### GPRS-A LTE

GSM Universal Monitoring Module



GX CONTROL Mobile App



**Application: for live monitoring of temperature & humidity**

#### Features:

- event reporting: SMS/LTE.
- sending notifications to up to 8 telephone numbers.
- messaging: audio, SMS/PUSH
- 8 programmable inputs (NC/NC/analog)
- 8 programmable 1-Wire bus - digital temperature sensors.
- ability to configure responses when the threshold values are exceed on analog inputs and 1-Wire sensors.
- AC power control input
- 4 outputs controlled by SMS, GX Control/GX Soft/via lot.
- IoT - support for open protocol: MQTT, JSON, MODBUS RTU
- option to check the pre-paid account balance and notification when the amount of funds drops below the minimum level
- Configuration of modules settings:
  - locally - computer with GX Soft program
  - remotely - computer with GX-Soft program using data over cellular network.

#### Application: for site with network

##### Features:

- 4 programmable wired zones (expandable to 30)
- 5 programmable outputs (expandable to 12)
- Compatible with MICRA wireless devices
- Integrated PSTN module to enable reporting to Central Monitoring and voice messaging.
- Built-in Ethm module to enable e-mail messaging, Push notification.
- 4 timers to enable automatic control of outputs (turn light or equipment-on/off, etc).

#### Application: for site without network or not able to use client Internet router.

##### Features:

- 8 to 32 programmable inputs.
- 4 to 12 programmable outputs.
- Compatible with MICRA wireless devices
- cell phone module with 2 nano-SIM slots for SMS, reporting to monitoring station, mobile application, PUSH notifications).
- programming with PERFECTA Soft program

## Sensor, devices and accessories for EMS



**TD-1**  
Temperature Detector



**Humidity Sensor**



**TSD-1**  
Smoke & Heat Detector



**ANT-GSM-E**  
GSM antenna



**FD-1**  
Flood Detector



**DS-T1/T2**  
Digital Temperature Sensor



**DG-1 CO** Carbon monoxide detector  
**DG- ME** Methane detector  
**DG - LPG** Liquefied petroleum Detector  
**DG - TCM** Trichloromethane based narcotic gas detector



**ANT 900/1800**  
GSM antenna



**Temperature & Relative Humidity Sensors**