BKT EMS
Environmental monitoring system

Monitoring

Notifying

Archiving

Controlling the working conditions of devices is crucial in managing IT infrastructure. Appropriate environmental parameters ensure long-term, failure-free operation of servers, disk arrays and other data processing devices. The BKT EMS system allows you to monitor the basic parameters of the environment, i.e. temperature, humidity, smoke, flooding and others that may affect the correct operation of electronic devices installed in the server room. The system is designed to notify about the possibility of a danger and to alert about any failure. One controller can monitor up to 80 sensors.

Find more at
www.bkte.pl
website

Made in EU

BKT EMS – environmental monitoring system

Archiving

Logs and sensor values on SDHC card.

Logs and sensor values on USB pendrive.

Notifying

Text message (sms).

Email.

Optical indicator.

SNMP TRAP — TRAP message of SNMP protocol.

Monitoring

Other

19" — 19'' bracket available for installation in IT cabinets.

Quick sensor connections thanks to RJ12 connectors.

Multi-user configuration with different access rights.

www — Configuration and management via the web interface.

Programmable time functions.

Extension modules increasing the number of available ports for sensors.
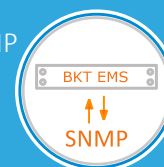
Programmable logic functions enabling the linking the values read from sensors with the device outputs.

Supports SNMP v1, v2c, v3 protocol

Temperature

Humidity

Vibration

Voltage — AC/DC

Motion

Leakage

Smoke

Other devices state using SNMP protocol

Free-voltage contact state

Door opening

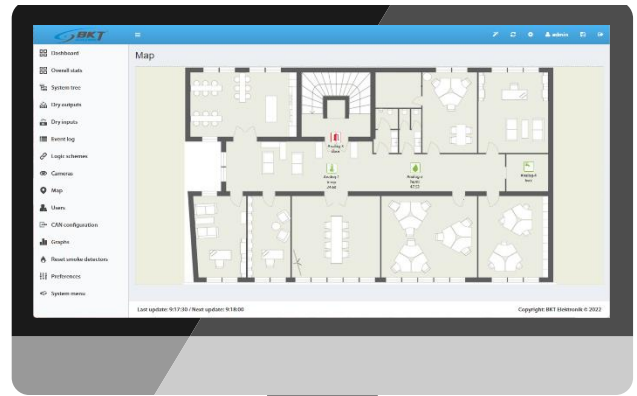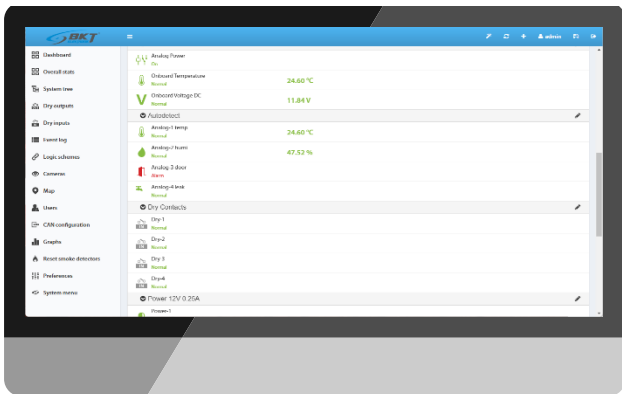Other devices state using PING protocol

WEB interface for system configuration and management

A dashboard that is individually configurable for each user and displays selected system parameters.
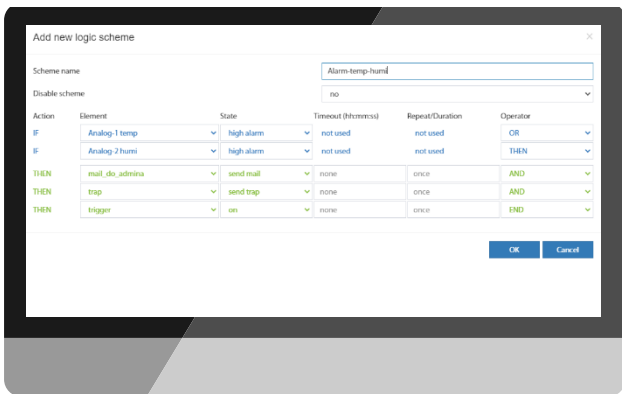

Visualization of sensor states on the site map directly in the controller's web interface.

Automatic detection of presence and type of analog sensor.

4 alarm thresholds for the sensor, two lower and two upper, the exceeding of which may generate alarms.

Configurable logical dependencies between inputs (sensors) and outputs as well as generated alarms.


Graphs of changes in the values of monitored parameters.

System components

Device	Part number
Controller	
EC335t – environmental controller	122EC003354
Analogue sensors	
ES350 – temperature sensor -10°C - +100°C	122ES003500
ES351 – humidity sensor 10% - 95% RH	122ES003510
ES352 – voltage sensor 90V-250V AC	122ES003520
ES353 – door sensor	122ES003530
ES354 – vibration sensor	122ES003540
ES356 – optical smoke sensor	122ES003560
ES357 – passive infrared detector	122ES003570
ES358 – outdoor temperature sensor -40°C - +100°C	122ES003580
ES359 – point flood sensor	122ES003590
ES360 + ES368 – linear flood sensor	122ES003600 + 122ES003680
CAN bus devices	
ES340 – integrated digital temperature, humidity and smoke sensors	122ES003400
EE321t – expansion module with additional 8 analogue inputs	122EE003211
EE322 – expansion module with additional inputs for potential-free contacts	122EE003220
Accessories	
EA314t – 19'', 1U bracket for EC335t and EE321t	122EA003144
EA319t – LTE modem	122EA003194
EA315 – optical indicator	122EA003150
EA313 – 30VDC/5A relay	122EA003130

System structure

An example of a system using expansion modules
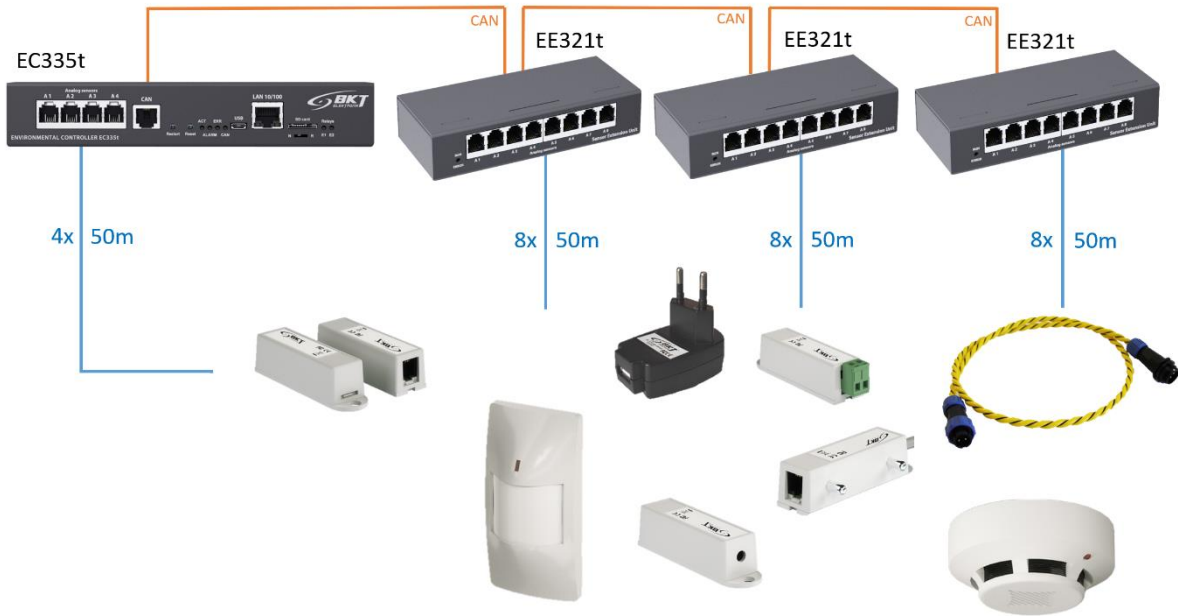
An example of an environmental conditions monitoring system in a cold/hot aisle containment