EXECUTION EXAMPLE WITH TOPOLOGY

Protection of a server room up to 20 m^2 and a backup room up to 20 m^2

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Die Anforderung

Basic protection monitoring of a typical medium-sized server room with several server racks, UPS system and air conditioning. There is also a further room with backup systems, UPS systems or other remote technology.

The rooms are to be monitored for all important physical hazards such as excess temperature, high humidity and more. The monitoring is to be realised by a system that is as simple as possible with manageable installation and investment costs.

The Kentix system solution

To cover these requirements, a Kentix AlarmManager-PRO and a Multi-Sensor-RF are required for the server room. A MultiSensor-TI is used in the backup room.

The MultiSensor is supplied with power via a separate plug-in power supply unit and is mounted on the server room ceiling using the mounting bracket. Power is supplied via an external plug-in power supply unit. All measured values are sent to the AlarmManager by radio.

In the backup room the MultiSensor-TI is also mounted on the ceiling.

The connection is made here via the network to a PoE-capable switch.

The AlarmManager takes over the complete monitoring and checks for preset threshold values. If a threshold value is exceeded, it sends an alarm to one or more users - via SMS, e-mail, SNMP and push notification.

For monitoring for potential leakage, a Kentix LeakageSensor-ROPE is used in both rooms, which is connected directly to the AlarmManager or the MultiSensor-TI.

LAN

Server room

GSM

ZIGBEE

LAN (PoE)

AlarmManager-PRO
Central unit with network, radio and GSM.
Mounting on the wall.
Power supply via PoE.

LeckageSensor
Is installed on the floor or under the raised floor.

LAN

MultiSensor-RF
Mounting on the server room ceiling.
Communication is via radio, power supply via a plug-in power supply unit

Backup room

LAN (PoE)

MultiSensor-TI
Mounting on the server room ceiling.
Communication and power supply are provided via the network (PoE). Enables reliable 4-factor early fire detection.

LeckageSensor
Is installed on the floor or under the raised floor.