

Rittal – Fire alarm and extinguisher system



Fire alarm and extinguisher system DET-AC XL

for room and rack applications



No fire without oxygen. Three ingredients are necessary to keep a fire burning: Fuel, heat and oxygen.

As soon as just one of these factors is removed, the fire will be extinguished. As the high availability demands of IT systems rule out the use of water for firefighting, the protected space is flooded with an extinguisher gas to smother fires quickly and without leaving residues.

Thanks to its width of just 300 mm, the Rittal fire alarm and extinguisher system DET-AC XL is ideal for space-saving integration into a rack suite or IT room.

Benefits:

- Extinguisher system for room volumes up to 84 m³
- Rack extinguisher system for up to 24 racks
- Suitable for incorporation into TS 8 server rack suites
- Integration into the RimatriX concept
- Simple project planning on the basis of standard packages
- Innovative extinguisher gas NOVEC 1230
 - Ecological compatibility
 - Uncritical for IT components

Three solutions are available in the standard version:

Extinguishing for:

- up to 8 racks
- up to 16 racks
- up to 24 racks

In addition, we are able to configure both room and rack extinguisher systems to your individual specifications.

Function principle:

The detection system of the DET-AC XL draws room or rack air in continuously and detects even the tiniest smoke particles during the initial phase of a fire, the so-called pyrolysis phase.

After a defined delay time, the extinguisher gas bottle is opened electrically and the gas flows out into the room or racks via the extinguisher nozzles.

