

EXTINGUISHERS TERMINAL BOARD ETB TYPES



The NANO system

The NANO fire alarm and extinguishing control system is specifically developed for an aerosol extinguishing system in relation to our firefighting concept: 'Fire detection & suppression at the source'.

- Versatile
- Compact
- Easy operation
- Easy programming
- Logical system structure
- Fire detection at the source
- Fire suppression at the source
- Input and output monitoring
- FCC, CE, ESD, EMC, DNV, IP66

The NANO system consists of the following:

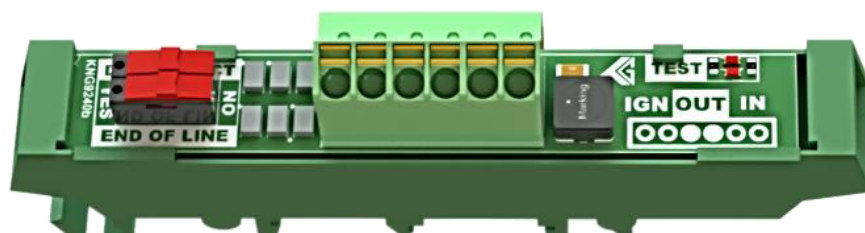
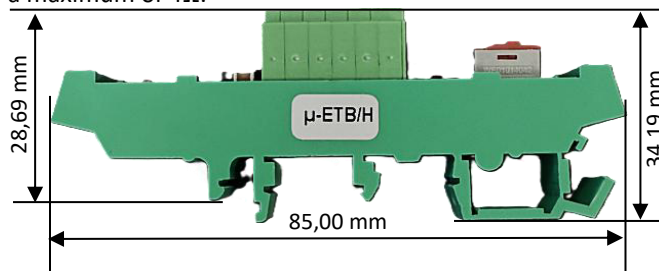
- NANO Fire & Extinguishing Panel
- ETB Extinguishers Terminal Board

The most important characteristics of the ETB

- easy connection through push connection
- a bridging protection ensures that the ignition current flows through ALL electrical activators for at least 50 ms,
- If one of the ignitors malfunctions or behaves differently from the other ignitors, the other ignitors are still activated.
- the ETB is equipped with a switch that activates the end-line monitoring diode at the last extinguishing generator.
- a second switch is intended to disconnect the electrical activator from the extinguishing output for the purpose of testing the extinguishing output without activating the extinguishing generators.
- there is a red test LED that shows that an activation current is initiated during the installation test.
- the ETB is equipped with reverse polarity protection, thereby avoiding connection errors.
- the ETB is equipped with surge protection, which reduces the risk of activation of a fire generator near a lightning strike.
- Din rail technology 12,80 x 85,00 mm wide x length

ETB types:

The standard ETB is suitable for an aerosol extinguisher with an igniter resistance lower than 2Ω. The ETB/H version is suitable for aerosol extinguishers with an igniter resistance higher than 2Ω with a maximum of 4Ω.



Working principle of the ETB

The ETB is specially developed for the NANO and aerosol extinguishers. This terminal connection board is equipped with built-in security electronics, which ensures that all igniters of the extinguishing units are actually activated. Together with an end line switch, this option turns the NANO system into a complete and reliable fire detection and extinguishing system. The ETB generator terminal board unit is available in a built-in 35 mm DIN rail version.

