

δ-LIST

Line Type Heat Detector

◆ δ-LIST Sensor Cable System is a reliable and perfected system to analyse temperature data with unique specifications:

- 0.1° resolution
- cycling time < 10 sec
- Recurring accuracy ± 0.1°
- power rating < 3W
- bi-directional sensors with fixed addresses
- a permanent functional check of all sensors
- filling material with stain relief, aluminium shield
- easy checking and repairs with modular system
- operating range -40 °C....+85°C



- ◆ The sensor cable can be branched out without problems.
- ◆ Damaged cable sections can be easily repaired by cutting out the damaged section and connecting a new piece in its place with the aid of sleeve joints. It is maintenance- and adjustment-free and can be used in areas which are not or only partly accessible during normal operation.



◆ Due to the constant interrogation of the temperature sensors by the control unit every 10 seconds, a functional check of all temperature sensors is always given. It is not necessary for control to heat the sensors every year.

◆ A fire alarm is generated if either a given maximum threshold is exceeded, or if an increase of temperature takes place within a certain time (differential evaluation). The two thresholds (set-points) can be set individually for definable alarm zones. The best way to avoid errors.



◆ A LIST Sensor Cable System is able to detect and signal two or more fires.

◆ It is easy to change the pc-boards in the control unit. After switch on, the monitoring starts automatically.

◆ Components do not have to be calibrated or setted regularly.

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powered by LIST ...

- ◆ Public data protocol MODBUS enables interconnection to other control systems.
- ◆ On demand the length of the sensor cable could be pre-manufactured and delivered completed with the connectors.
- ◆ Each sensor is marked on the cable with a printed number.



- ◆ The sensor cable reacts on heat radiation.
- ◆ External sensors in stainless steel housing can be connected to a δ-LIST system.
- ◆ Via RS485 interface it is possible for one master to control up to 31 control units. So a central visualisation with several control units is possible for great buildings or applications.



- ◆ The cable meets DIN EN 60332-1-2:2006-06 and DIN EN 60332-2-2:2005-06 concerning flame propagation and DIN EN 61034-2:2006-03 concerning smoke density.
- ◆ The sensor cable is halogen free.



- ◆ LISTEC GmbH has the complete know-how of manufacturing, commissioning and fault clearing. The company is located in Isen near Munich/Germany.

