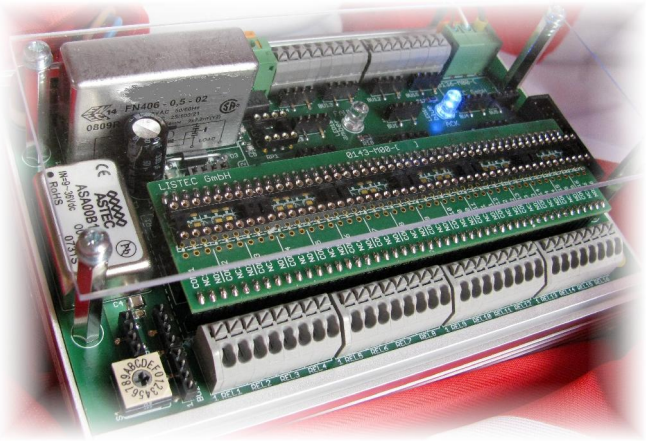
RELMOD
Relay module



The relay module is the extension for the LISTcontroller to transmit alarms and fault reports via dry contacts. Digital switch conditions can be read additionally from external sources. The module consists of 16 relays, which could be used as normally open or as normally closed contacts. Eight inputs via opto-couplers allow the remote activation of alarm simulation, revision mode and further processes. Up to 16 relay modules can be connected to one LISTcontroller. Each module is addressed individually via a rotary switch.

RELMOD and LISTcontroller communicate through a RS 485 interface. Thus it is possible to connect controller and relay module even over longer distances. The communication is cyclic and monitored. In case of an interruption there will be a fault report on the controller side.

To simplify the configuration of loop resistances, which may be required to connect the system to fire control panels, they are mounted on a separate board.

It is possible to program the relays to signalize alarms, pre-alarms, fault and frost alarms in different alarm zones.
Contacts can be multiplied and zones may be overlapping.
The relay module will be delivered in an aluminum housing for rail mounting.
Every terminal is marked and the switching states are signalized via LED's.
Three additional LEDs indicate the status (operating, communication, fault).
The module is operated with 24 V_{DC}.

Specifications:

Outputs:	16 floating change-over contacts with space for user defined supervisory resistors
Switching voltage:	48 V_{DC} / 32 V_{AC}
Switching current:	max. 250 mA (resistive load)
Inputs:	8, galvanically isolated for 5 - 28 V_{DC} signals
Operating temperature:	0° C .. +70°C
Dimensions (W x H x D):	ca. 111 x 167 x 63 mm
Housing material:	Aluminum, main components are covered with acrylic glass
Weight:	0.65 kg
Power supply input:	10 - 36V_{DC}
Power consumption:	0.85 W normal operation, 2.35 W in case of alarm (all relays active)

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