arcutronix

x

AlEx
Alarm Extender

The AlEx (Alarm Extender) device is a telecontrol system that transmits local alarm signals via its G.703 64kbit/s interface to a remote alarm controller unit, which outputs the alarm via relay contacts. It enables to manage and supervise alarm systems, fire detection systems or similar devices via parallel I/O ports.

Introduction

The AlEx offers 8 alarm inputs and 8 output contacts and an integrated transmission link monitoring function.

Additional two NOC's (normal open contact) are able to signalize state of G.703/64k line, local and remote device.

The AlEx can also be used to ex¬pand the number of   I/O ports of a modular IP Security Access Device I-SAD 19"-family.
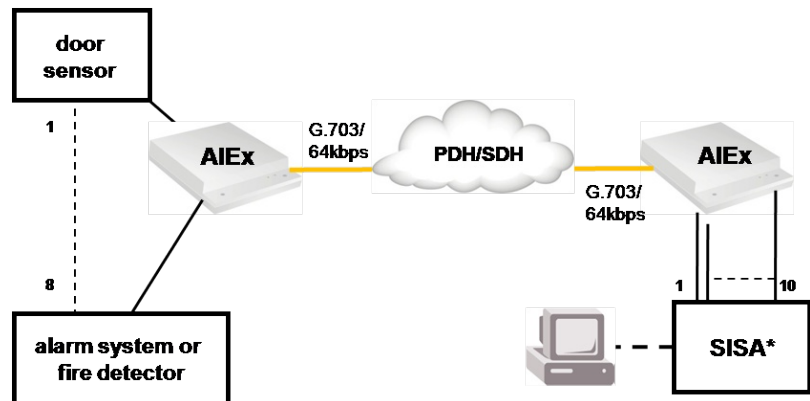
Features

■ Alarms are transmitted via G.703/64k leased line

■ Up to 8 parallel I/O ports

■ 8x potential-free Inputs

■ 8x bi-stable Outputs

■ Integrated line and device monitoring (local and remote)

■ Integrated wide range power supply (48 VDC … 230 VAC)

■ Form factor: Desktop housing with wall mounting capability

Application Example

Transmission of up to 8x various alarm signals/ switching opera¬tions to a Supervisory and Information System for local and remote Area (SISA). The integrated alarm relays additional enable to monitor local device and line/remote device status.

Technical Specifications

PDH I/F

- Standard: ITU-T G.703
- Data rate: 64 kbps, co-directional
- Impedance: 120 Ohm
- Level ("mark"): 1 V (peek)
- Range: approx. 6 dB
- Connector: RJ45

I/O I/F

- 8x parallel I/O ports
  - 8x galvanic isolated Inputs
  - 8x bi-stable Outputs
  - Allow switching of extra low voltage circuit signals only (accord. to EN 60950: SELV circuit)
- Connector: WAGO type (Wire Wrap)

Alarm relay

- 2x alarm relays
- 2x mono-stable outputs for line and local/remote device monitoring
- Connector: WAGO type (Wire Wrap)

Environmental

- Operation: -20 °C to + 70 °C
- Storage conditions: -20 °C to + 70 °C
- Humidity: max. 80%, non-condensing

Power

- 48 VDC – 230 VAC, Protection class II
- Power input: max. 180mA

Physical

- Weight: 0,6kg
- Dimensions: 170 (W)x 53(W) x 210 (D) mm
- Form factor: Desktop housing with wall mounting capability