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I151SX-Alarm
System-X alarm inferface

I151SX-ALARM

The I151SX-ALARM provides a serial alarm interface to e.g. access control systems, fire alarms, intrusion alarms etc. Rather than hardwiring the alarms from such systems to either an I121DX or an I141DX, the alarms can be transferred through an RS-232 interface directly to System-X.

The I151SX-ALARM can also provide an alarm logging function whereby alarms in System-X can be sent on an RS-232 interface to e.g. an alarm management system or a serial printer for logging.

Finally, the I151SX-ALARM is connected to an access control system through RS-232. Depending on how the access control system is programmed, is can send alarms to System-X if e.g. somebody swipes an invalid card, forces a door open, etc.

SYSTEM X

Specification

Type	I151SX-ALARM
AUX outputs	
Number of serial interfaces	1
Interface type	RS-232
Baudrate	110 to 38400
Dataformat	8N1
Protocols	SAP, xSAP, IEC, LOG
Max. number of alarms	1024, depending on protocol
Priority levels	1 to 49
Interface type	LonWorks 78 kbit/s FTT-10A
Protocol	Description
SAP	Simple Alarm Protocol, supports up to 512 alarms, compatible with Serial alarms on 500M/1000M
xSAP	Extended Simple Alarm Protocol, same as above protocol, but extended to handle 1024 alarms
IEC	IEC Alarm protocol, supports up to 1024 alarms
LOG	Alarm logging function
Environmental specifications	
Power supply	115 / 230 VAC ±10%, 45 – 60 Hz
Current consumption	33 mA @ 230 VAC
	66 mA @ 115 VAC
Operating temperature	-10°C to +55°C
	14°F to 131°F
Humidity	< 95%
IP rating	IP 65
Enclosure material	ABS Plastic
Cable glands	1 pc. M20 (7-12mm)
	4 pc. M12 (3-6mm)
Dimensions (W x H x D)	242 x 160 x 90mm
	9.5" x 6.3" x 3.5"
Weight	1.4 kg / 3.1 lbs
EMC	EN 50081-1, EN 50130-4
Safety	EN 60950