

1019-A8 Eight Channel Supervised Input Card

Card mod.1019 A8, used in 1019 series control units, can control up to eight (8) supervised conventional (not addressable) input channel. It can be also used to monitor the inputs from other systems which have to be supervised (DCS, ESD, etc.) or security systems.

MAIN FEATURES

- Microprocessor technology
- Dual LED's for alarms/status indication.
- On board self-checking functions
- Std. 19" 3HE mounting with locking screw.
- Dip switches address setting.
- Reset pushbutton on card front.
- Different working modes selectable through Dip switches

OPERATION

The 1019 A8 manage the supervised inputs by means of current variations checking. Current thresholds are set to recognize the different input status such as:

- Open circuit Fault.
- Normal operation
- Warning
- Alarm
- Short circuit Fault (or Fire)

The card's operational mode can be set using the dip switches.

Safety / Security

In Safety mode the card monitors the input as a standard fire detection inputs; the opening of the circuits is recognized as Fault.

In Security mode all the trouble conditions on the loop (wire to wire short or open circuit) are recognized as tampering alarms.

Latching Mode

When latching mode is programmed the alarm statuses will be latched until Reset.

OPERATIONAL MODES		
SW1-1	ON	2 thresholds (warning, alarm)
	OFF	1 threshold (alarm only)
SW1-2	ON	Loop wire to wire short = Fault
	OFF	Loop wire to wire short = Alarm
SW1-3	ON	Security mode
	OFF	Safetymode
SW1-4	ON	Latching Mode
	OFF	Non-latching Mode
SW2	1-7	Card address setting

FRONT PANEL	
Led's indication (F= steady, I= intermmitent).	
ALARM	
I	Warning status. One detector/input generated an alarm signal on one loop.
F	Alarm status. Two detectors/inputs generated an alarm signal on one loop.
FAULT	
F	Loop Fault
RESET	
I	One card's channel has been disabled (manually or automatically from CPU in case of fault)
F	All card's channels are disabled



1019-A8

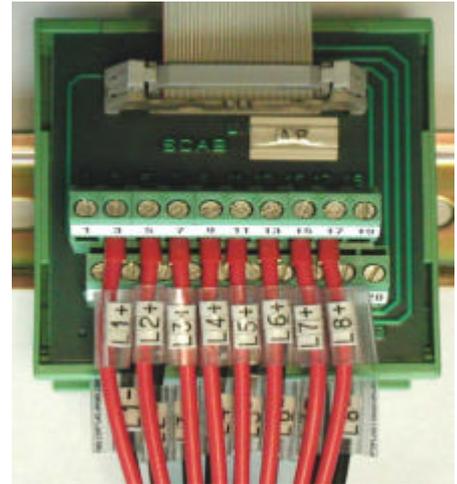
TECHNICAL CHARACTERISTICS

Model	1019 A8
Part Number	SCH 1019/A8-XX (*)
Voltage	22-28 Vdc
Current Consumption	Normal: 40 mA
	Alarm: 48 mA
	Max 60 mA
Warning threshold	> 7 mA
Alarm threshold	> 14 mA
Loop Short-circuit	33 mA
Working temperature	-10°C +50
Storage temperature	-30° C + 70° C
Humidity (UR%)	95% non condensing
Color	Ral 9002
Weight	90 g
Dimensions (height std. 19" rack 3HE)	L. 25 mm P. 150 mm

(*)NOTE: Indicates revision

WIRING

The card is equipped with terminal's board connected to the 1019 I/O rack by means of a flat cable. Customized further terminal strip can also be provided.



TYPICAL WIRING DIAGRAM

