Panasonic

1598, 5088

SIA PROTOCOL IN WEB-SERVER

Fire alarm solutions technical description

www.panasonic-fire-security.com

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1. INTRODUCTION

This document describes the subset of the SIA messages that is implemented in protocol version II for Web-server 1598 and Gateway 5088.
The SIA protocol covers not only fire alarm messages, but also burglary alarm messages, medical equipment alarm messages etcetera.

1.1. REFERENCE DOCUMENTS

[1] Security Communications – Digital Communications Standard – “SIA Format” Protocol – for Alarm System Communications (SIA DC-03-1990.01(R2003.10)

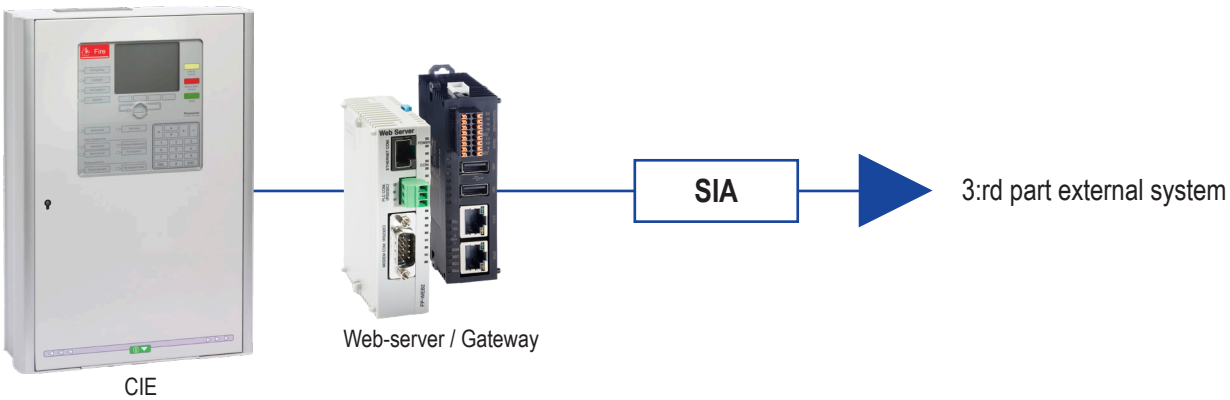
2. ABBREVIATIONS

CIE / CU	Control and indicating equipment	= control unit
LADR	(L=Loop, ADR = NMAST address)	
The application	The application in the webserver	
Webserver	Webserver II 1598 or Gateway 5088	

3. GENERAL DESCRIPTION

If configured for the SIA protocol, the Web-server 1598 / Gateway 5088 will send messages according to this document on the modem comport.

At the same time Web-server 1598 / Gateway 5088 can act as the usual webserver application, allowing users to browse for fire alarms and so on.



4. PARAMETER CODES

4.1. DEFINITION

Code	Parameter	Size (byte)	
STATUS	Generic status byte. Can for example be fault status (fault activated, fault deactivated or fault acknowleged) or door status (opened/closed).	1	Context dependent.
DATA	Generic sequence of bytes. The meaning is specified in those section that use it.	N/A	Context dependent.
CU	Control Unit Number	1	0..29
YEAR	Year	1	00..99
MONTH	Month	1	1..12
DATE	Date	1	1..31
HOUR	Hour	1	0..23
MIN	Minute	1	0..59
RST	Restart code	1	0..255
MEM	Memory address	4	0.. 4294967295
EXPBOARD	8 zones expansion board 1580 = 0, 8 relays expansion board 1581 = 1, External fire brigade panel interface board 1582 = 2, German external fire brigade panel interface board 1583 = 3, Autronica interface board 1584 = 4, External FBP/DU interface board 1587 = 5	1	0..5
BOARDNO	Expansion board address	1	0..7
OUTNO[1]	Output number	1	0..7
LOOPNO	Loop number / Zone line number	1	0..7
SCINO	SCI number	1	0..8
TECHNO	Technical number	3	
FBPNO	Fire brigade panel number	1	0..7
AREA	Interlocking area	2	1..999
POINT	Interlocking point	1	1..99
ZONE		2	
ADDRESS		1	1..99
ALARMTXT	A string of printable characters	40	

1) There are three places where an output can be placed; On a control unit, on an expansionboard and on a loop unit. For the two latter OUTNO is just an enumeration, but for a control unit we distinguish between the relay outputs and the supervised outputs. In this case we set OUTNO to 0 and 1 for R0 and R1, and we set OUTNO to 2..5 for S0..S3.

Code	Parameter	Size (byte)	
REASON	"No Reason", "Manual", “TimeChannel", "OpenDoor", "CloseDoor", "Interlocking", "GlobalManual" or "KeyPressed"		
DEVICETYPE	Control = 0, ventilation = 1, extinguisher = 2, alarm devices = 3, ATR = 4, FTR = 5, interlocking = 6	1	0..6
BOOL	0 = false, 1 = true	1	0..1
LOOPUNITTYPE	Type of loop unit. One of Smoke sensor Heat detector Multi detector Manual call point Other		
ALGO	Currently the system have 24 different algorithms.	1	0..23

In the following sections a description of the SIA activating string is written in the comments sections. In most cases the SIA reset string look exactly the same except for the two letter SIA codes, and has not been written there. In those cases where the SIA reset string differs in more than the SIA codes it is also shown in the comments section.

5. ALARM MESSAGES

5.1. ALARMS

The Web-server / Gateway will send notifications about an alarm points change of state, for example from normal state to fire state. Only the new state will be specified though.

Note that not all alarms are connected to a loop unit, that is, not all alarms can be associated with a TECHNO.

Message	SIA Activate	SIA reset
Pre Warning (smoke)	FS	FV

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	ALARMTXT

Description

Comments

pi**TECHNO** / ri**ZONE** / FS**ADDR*sss...s***

Message	SIA Activate	SIA reset
Pre Warning (heat)	DP	FV

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	ALARMTXT

Description

Comments

pi**TECHNO** / ri**ZONE** / DP**ADDR*sss...s***

Message	SIA Activate	SIA reset
Pre Warning (multi)	DQ	FV

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	ALARMTXT

Description

Comments

pi**TECHNO** / ri**ZONE** / DQ**ADDR*sss...s***

Message	SIA Activate	SIA reset
Pre Warning (other)	CK	FV

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	ALARMTXT

Description

Comments

pi**TECHNO** / ri**ZONE** / CK**ADDR*sss...s***

Message	SIA Activate	SIA reset
Alarm (smoke)	UA	FH

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	ALARMTXT

Description

Comments

pi**TECHNO** / ri**ZONE** / DA**ADDR*sss...s***

Message	SIA Activate	SIA reset
Alarm (heat)	KA	KH

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	ALARMTXT

Description

Comments

pi**TECHNO** / ri**ZONE** / KA**ADDR*sss...s***

Message	SIA Activate	SIA reset
Alarm (multi)	DM	FH

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	ALARMTXT

Description

Comments

pi**TECHNO** / ri**ZONE** / DB**ADDR*sss...s***

Message	SIA Activate	SIA reset
Alarm (manual call point)	DD	FH

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	ALARMTXT

Description

Comments

pi**TECHNO** / ri**ZONE** / DD**ADDR*sss...s***

Message	SIA Activate	SIA reset
Alarm (other)	FA	FH

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	ALARMTXT

Description

Comments

pi**TECHNO** / ri**ZONE** / FA**ADDR*sss...s***

Message	SIA Activate	SIA reset
Heavy Smoke Alarm (smoke)	DE	FH

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	ALARMTXT

Description

Comments

pi**TECHNO** / ri**ZONE** / DE**ADDR*sss...s***

Message	SIA Activate	SIA reset
Heavy Heat Alarm (heat)	DF	FH

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	ALARMTXT

Description

Comments

pi**TECHNO** / ri**ZONE** / DF**ADDR*sss...s***

Message	SIA Activate	SIA reset
Heavy Smoke Alarm (multi)	DS	FH

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	ALARMTXT

Description

Comments

pi**TECHNO** / ri**ZONE** / DS**ADDR*sss...s***

Message	SIA Activate	SIA reset
Heavy Heat Alarm (multi)	OC	FH

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	ALARMTXT

Description

Comments

pi**TECHNO** / ri**ZONE** / OC**ADDR*sss...s***

Message	SIA Activate	SIA reset
2 Detector Dependant Alarm	FG	FV

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	TYPEOFLOOPUNIT, ALARMTXT

Description

An alarmpoint that is configured for two detector dependency or two zone dependency will enter this state instead of the alarm state.

Comments

pi**TECHNO** / ri**ZONE** / FG**ADDR*sss...s***

Message	SIA Activate	SIA reset
Alert Annunciation Alarm (smoke)	GA	FH

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	ALARMTXT

Description

An alarmpoint configured for alert annunciation will enter this state instead of the alarm state, but only if there are no alarmpoints already in the alarm state.

Comments

pi**TECHNO** / ri**ZONE** / GA**ADDR*sss...s***

Message	SIA Activate	SIA reset
Alert Annunciation Alarm (heat)	DV	FH

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	ALARMTXT

Description

An alarmpoint configured for alert annunciation will enter this state instead of the alarm state, but only if there are no alarmpoints already in the alarm state.

Comments

pi**TECHNO** / ri**ZONE** / DV**ADDR*sss...s***

Message	SIA Activate	SIA reset
Alert Annunciation Alarm (multi)	DW	FH

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	ALARMTXT

Description

An alarmpoint configured for alert annunciation will enter this state instead of the alarm state, but only if there are no alarmpoints already in the alarm state.

Comments

pi**TECHNO** / ri**ZONE** / DW**ADDR*sss...s***

Message	SIA Activate	SIA reset
Alert Annunciation Alarm (MCP)	DX	FH

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	ALARMTXT

Description

An alarmpoint configured for alert annunciation will enter this state instead of the alarm state, but only if there are no alarmpoints already in the alarm state.

Comments

pi**TECHNO** / ri**ZONE** / DX**ADDR*sss...s***

Message	SIA Activate	SIA reset
Alert Annunciation Alarm (other)	DZ	FH

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	ALARMTXT

Description

An alarmpoint configured for alert annunciation will enter this state instead of the alarm state, but only if there are no alarmpoints already in the alarm state.

Comments

pi**TECHNO** / ri**ZONE** / DZ**ADDR*sss...s***

Message	SIA Activate	SIA reset
Alert Annunciation Acknowledged	GH	FH

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	TYPEOFLOOPUNIT, ALARMTXT

Description

The alert annunciated alarm has been acknowledged

Comments

pi**TECHNO** / ri**ZONE** / GH**ADDR*sss...s***

Message	SIA Activate	SIA reset
Alarm In Test Mode	FX	FV

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	TYPEOFLOOPUNIT, ALARMTXT

Description

A zone has been placed in test mode and an alarm point in the zone (or the entire zone) has detected fire. No outputs are activated. After 10 seconds the alarmpoint (zone) will enter normal state.

Comments

pi**TECHNO** / ri**ZONE** / FX**ADDR*sss...s***

Message	SIA Activate	SIA reset
Alarm State By Menu	FA	FH

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	TYPEOFLOOPUNIT, ALARMTXT

Description

A zone has been placed in test mode and an alarm point in the zone (or the entire zone) has detected fire. No outputs are activated. After 10 seconds the alarmpoint (zone) will enter normal state.

Comments

pi**TECHNO** / ri**ZONE** / FA**ADDR*sss...s***

5.2. RESET OF ALARMS

Message	SIA Activate	SIA reset
Encapsulated Reset	KS	
Parameters Area ZONE Address ADDRESS PI TECHNO Text		
Description All individual alarm has been reset with encapsulation.		
Comments pi**TECHNO** / ri**ZONE** / BD**ADDR*sss...s***		

6. FAULT MESSAGE

6.1. SYSTEM FAULTS

Message	SIA Activate	SIA reset
System Communication Fault	DC	DG

Parameters

Area	
Address	CU1
PI	CU2
Text	

Description

CU1 has no contact with CU2

Comments

pi**CU**0000 / DC**00CU**

pi**CU**0000 / DC**00AA** Communication error between Web and EBL

6.2. CONTROL FAULTS

Message	SIA Activate	SIA reset
No Battery Connected	YM	YR

Parameters

Area	
Address	
PI	CU
Text	

Description

Comments

pi**CU**0000 / YM0000

Message	SIA Activate	SIA reset
Low System Voltage	YT	YR

Parameters

Area	
Address	
PI	CU
Text	

Description

Comments

pi**CU**0000 / YT0000

Message	SIA Activate	SIA reset
Main Power Supply Fault	AT	AR

Parameters

Area	
Address	See comment
PI	CU
Text	

Description

Comments

10 = Control unit
20 = External mains fault
pi**CU**0000 / AT0010
pi**CU**0000 / AT0020

Message	SIA Activate	SIA reset
Other Power Supply Fault	YP	YQ

Parameters

Area	
Address	See comment
PI	CU
Text	

Description

Comments

10 = earth fault (plus)
20 = earth fault (minus)
30 = Low battery capacity
40 = Low main power supply voltage
50 = Fault on external power supply
60 = External charge fault
70 = Fault on power supply for routing Equipment
80 = Fault On Power Supply For External Equipment
pi**CU**0000 / YP0010
…
pi**CU**0000 / YP0080

Message	SIA Activate	SIA reset
Fault On External Fuses	NA	NS

Parameters

Area	
Address	
PI	CU
Text	

Description

Comments

pi**CU**0000 / NA0010

Message	SIA Activate	SIA reset
Restart Fault	HT	

Parameters

Area	
Address	RESTARTCODE
PI	CU
Text	MEMORYADDRESS

Description

Comments

No SIA reset code

pi**CU**0000 / YW**CODE*MEMORYADDRESS***

Message	SIA Activate	SIA reset
General Data Error	IA	IR

Parameters

Area	
Address	See comment
PI	CU
Text	

Description

Comments

10 = SSD fault

20 = SSW fault

30 = SSI fault

40 = wrong information fault

50 = program area fault

pi**CU**0000 / IA0010

…

pi**CU**0000 / IA0050

Message	SIA Activate	SIA reset
TLON Board Fault	NC	CR

Parameters

Area	
Address	
PI	CU
Text	

Description

Comments

pi**CU**0000 / NC0000

Message	SIA Activate	SIA reset
High Current Consumption Fault	YI	YJ

Parameters

Area	
Address	
PI	CU
Text	

Description

Comments

pi**CU**0000 / YI0000

Message	SIA Activate	SIA reset
Incompatible Software Version	CO	

Parameters

Area	
Address	
PI	CU
Text	CUVERSION, WEBVERSION

Description

Control unit and Web server software version not compatible

Comments

pi**CU**0000 / CO0000*CU=**VERSION**, WEB=**VERSION***

6.3. EXPANSION BOARD FAULTS

Message	SIA Activate	SIA reset
General Expansion Bord Fault	ET	ER

Parameters

Area	
Address	BOARDNO
PI	CU
Text	

Description

Fault on / no communication to an expansion board.

Comments

DET8 board: pi**CU**0000 / ET000**B**
RE8 board: pi**CU**0000 / ET001**B**
FBP board: pi**CU**0000 / ET002**B**
GFBP board: pi**CU**0000 / ET003**B**
BS4 board: pi**CU**0000 / ET004**B**
DU board: pi**CU**0000 / ET005**B**

Message	SIA Activate	SIA reset
Fault On Extinguishing System On Expansion Board	ST	SR

Parameters

Area	
Address	BOARDNO (BB)
PI	CU
Text	

Description

Fault in the extinguishing system / equipment connected to a 1583 expansion board.

Comments

pi**CU**0000 / ST00**BB**

Message	SIA Activate	SIA reset
Fault On Wire To Extinguishing System On Expansion Board	SS	SJ

Parameters

Area	
Address	BOARDNO
PI	CU
Text	

Description

Short circuit / cut-off on the wires from a 1583 expansion board to the connected extinguishing system / equipment.

Comments

pi**CU**0000 / SS00**BB**

Message	SIA Activate	SIA reset
High Voltage On Expansion Board	LT	LR

Parameters

Area	
Address	BOARDNO
PI	CU
Text	

Description

One or more loops on the BS4 expansion board has a voltage > 16V

Comments

pi**CU**0000 / LT00**BB**

6.4. LOOP FAULTS

Message **Open Circuit Fault On Loop**	SIA Activate MA	SIA reset MH
Parameters Area Address LBSS (see comment) PI CU Text		
Description This is indicating a single break on a loop.		
Comments pi**CU**0000 / MA**L**000 (NMAST loop) pi**CU**0000 / MA**LA**S**S** (NMAST loop, between SCIs '**SS**') pi**CU**0000 / MA**LB**0A (Autronica loop)		

Message **Open Circuit Fault On Conventional Zone Line**	SIA Activate HA	SIA reset HH
Parameters Area ZONE Address ADDRESS PI CU Text BOARDNO, LOOPNO		
Description This is indicating a break on the conventional zone line.		
Comments pi**CU**0000 / ri0000 / HA0000*BOARDNO:**B** LOOPNO:**L***		

Message **Short Circuit Fault On Loop**	SIA Activate ZA	SIA reset ZH
Parameters Area Address LBSS (see comment) PI CU Text		
Description Short circuit on a loop		
Comments pi**CU**0000/ZA**L**000 (NMAST loop) pi**CU**0000/ZA**LA**S**S** (NMAST loop, between SCIs '**SS**') pi**CU**0000/ZA**LB**0A (Autronica loop)		

Message	SIA Activate	SIA reset
Short Circuit Fault On Conventional Zone Line	FT	FR

Parameters

Area	ZONE
Address	ADDRESS
PI	CU
Text	BOARDNO, LOOPNO

Description

Short circuit on a zone line.

Comments

pi**CU**0000 / ri**ZONE** / FT**ADDR***BOARDNO:**B** LOOPNO:**L***

Message	SIA Activate	SIA reset
L And C Mixed On Loop	QA	QH

Parameters

Area	
Address	LOOPNO
PI	CU
Text	

Description

The two wires L (SA) and C (SB) have been mixed (alternated).

Comments

pi**CU**0000/QA00**LL**

Message	SIA Activate	SIA reset
High Current Consumption On Autronica Loop	PA	PH

Parameters

Area	
Address	BOARDNO , LOOPNO
PI	CU
Text	

Description

The current consumption is > 60 mA on the BS4 loop.

Comments

pi**CU**0000 / PA00**BL**

6.5. LOOP UNIT FAULTS

For those loop units that hold an alarm point or a zone, the zone-address or zone is included in the fault message.

Message	SIA Activate	SIA reset
General Loop Unit Fault	FW	FJ

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	

Description

Comments

pi**TECHNO** / ri**ZONE** / FW**ADDR**

Message	SIA Activate	SIA reset
No Reply From Loop Unit	FY	DK

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	

Description

No communication with the loop unit.

Comments

pi**TECHNO** / ri**ZONE** / FY**ADDR**

Message	SIA Activate	SIA reset
Wrong Type Of Loop Unit	TA	TR

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	

Description

The unit is not the same type as programmed.

Comments

pi**TECHNO** / ri**ZONE** / TA**ADDR**

Message	SIA Activate	SIA reset
Loop Unit Fuse Fault	DI	DJ

Parameters

Area
Address LADR
PI TECHNO
Text

Description

Fuse F9 (on the output unit p.c.b.) is blown.

Comments

pi**TECHNO** / DI**LADR**

Message	SIA Activate	SIA reset
Loop Unit Battery Fault	WA	WR

Parameters

Area
Address LADR
PI TECHNO
Text

Description

Fault on battery or connections for battery in external power supply.

Comments

pi**TECHNO** / WA**LADR**

Message	SIA Activate	SIA reset
Loop Unit Mains Fault	EA	JH

Parameters

Area
Address LADR
PI TECHNO
Text

Description

No main power to the loop unit.

Comments

pi**TECHNO** / EA**LADR**

Message	SIA Activate	SIA reset
Loop Unit Earth Fault	EE	JK

Parameters

Area	
Address	LADR
PI	TECHNO
Text	

Description

Earth fault in output unit.

Comments

pi**TECHNO** / EE**LADR**

Message	SIA Activate	SIA reset
Loop Unit 2235 Id Fault	JL	JO

Parameters

Area	
Address	LADR
PI	TECHNO
Text	

Description

The display unit is not the same type as programmed.

Comments

pi**TECHNO** / JL**LADR**

Message	SIA Activate	SIA reset
Loop Unit Double Address Fault	JP	JS

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	

Description

Two or more loop units connected to a BS4 loop have been given the same address.

Comments

pi**TECHNO** / ri**ZONE** / JP**ADDR**

Message	SIA Activate	SIA reset
Loop Unit Charge Fault	BS	BJ

Parameters

Area
Address LADR
PI TECHNO
Text

Description

Charging function in external power supply doesn't work properly.

Comments

pi**TECHNO** / BS**LADR**

Message	SIA Activate	SIA reset
Loop Unit Power Out Fault	BT	BR

Parameters

Area
Address LADR
PI TECHNO
Text

Description

The output current is > 4A. (The output might also be turned off.)

Comments

pi**TECHNO** / BT**LADR**

Message	SIA Activate	SIA reset
Loop Unit Low Voltage Fault	GS	GJ

Parameters

Area
Address LADR
PI TECHNO
Text

Description

The external power supply's system voltage < 21 V DC.

Comments

pi**TECHNO** / GS**LADR**

Message	SIA Activate	SIA reset
Loop Unit Zone Line Input Fault	UZ	UJ

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	

Description

Detector mounted in an ADB 2330: faulty / removed detector
or
Ext. line (input) to an ADB 2330: break on a wire or wrong / no end-of-line resistor
or
Zone interface 2335 / 2226 (input): break on a wire or wrong / no end of line resistor.

Comments

pi**TECHNO** / ri**ZONE** / BZ**ADDR**

6.6. OTHER FAULTS

Message	SIA Activate	SIA reset
Monitored Output Fault	UG	OV

Parameters

Area	
Address	OUTNO
PI	CU
Text	

Description

Not calibrated or fault on monitored output

Comments

pi**CU**0000 / OU**OUTN**

Message	SIA Activate	SIA reset
Monitored Loopunit Output Fault	UG	OV

Parameters

Area	OUTNO
Address	LADR
PI	TECHNO
Text	

Description

Not calibrated or fault on monitored output on loop unit

Comments

pi**TECHNO** / ri000**O** / OU**LADR**

Message	SIA Activate	SIA reset
Interlocking Fault	GT	GR

Parameters

Area	AREA
Address	POINT
PI	CU
Text	

Description

An interlocking input is not activated within the time set for fault activation.

Comments

pi**CU**0000 / ri**AREA** / GT**POIN**

Message	SIA Activate	SIA reset
General Fuse Fault	NA	NS

Parameters

Area
Address
PI CU
Text

Description

Fuse(s) blown on expansion board, loops, or external fuses.

Comments

0-9 = Loop
10 = External fuses
100-199 = Expansion board
piCU0000 / NA0010
piCU0000 / NA012B (Fuse on FBP expansion board)
piCU0000 / NA010B (Fuse on DET8 board)
piCU0000 / NA014B (Fuse on BS4 board)
piCU0000 / NA015B (Fuse on DU board)

Message	SIA Activate	SIA reset
Key Cabinet Fault	BA	BH

Parameters

Area
Address
PI CU
Text

Description

The key cabinet has been opened without a prior fire alarm.

Comments

piCU0000 / BA0000

Message	SIA Activate	SIA reset
External Fault	EJ	ES

Parameters

Area	
Address	
PI	CU
Text	TEXT

Description

A user defined fault message generated via programmable input

Comments

pi**CU**0000 / EJ0000*…**TEXT**…*

Message	SIA Activate	SIA reset
Fire Brigade Panel General Fault	EM	EN

Parameters

Area	
Address	BOARDNO, FBPNO
PI	CU
Text	

Description

The control unit can not communicate with the ext. FBP (or data converter).

Comments

pi**CU**0000 / EM00**BF**

7. DISABLEMENT MESSAGES

Message	SIA Activate	SIA reset
Alarm point disabled	FB	FU

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	REASON, AUTOREENABLE, HOUR, MINUTE

Description

The alarm point ZONE-ADDRESS has been disabled. If AUTOREENABLE is equal to 1, the parameters HOUR and MINUTE tells when the alarmpoint will be automatically reenabled.

Comments

ADDR == AA means entire zone
piTECHNO / riZONE / FBADDR*REASON:Local Manual,
AUTOREENABLE: HH:MM*
piTECHNO / riZONE / FBADDR*REASON:Local Manual*
piTECHNO / riZONE / FBADDR*REASON:TimeChannel*
piTECHNO / riZONE / FUADDR
pi000000 / riZONE / FB00AA*REASON:Local Manual,
AUTOREENABLE: HH:MM*
pi000000 / riZONE / FU00AA

Message	SIA Activate	SIA reset
NMAST loop disabled	HS	HR

Parameters

Area	
Address	LOOPNO
PI	CU
Text	

Description

The loop LOOPNO on control unit CU has been disabled.

Comments

pi**CU**0000 / HS000**L**

Message	SIA Activate	SIA reset
BS4 Loop Disabled	MS	MJ

Parameters

Area	
Address	BOARDNO, LOOPNO
PI	CU
Text	

Description

The loop LOOPNO on BS4 board BOARDNO on control unit CU has been disabled.

Comments

pi**CU**0000 / MS00**BL**

Message	SIA Activate	SIA reset
Zone line input on 1580 disabled	PS	PJ

Parameters

Area	ZONE
Address	ADDRESS
PI	CU
Text	BOARDNO, LOOPNO

Description

The loop LOOPNO on 1580 board BOARDNO on control unit CU has been disabled

Comments

pi**CU**0000/ri0000/PS0000*BOARDNO:**B** LOOPNO:**L***

Message	SIA Activate	SIA reset
Zone line input on loop unit disabled	QS	QJ

Parameters

Area	ZONE
Address	ADDRESS
PI	TECHNO
Text	LOOPNO

Description

The zone line LOOPNO on loop unit with TECHNO has been disabled.

Comments

pi**TECHNO** / ri0000 / QS0000*LOOPNO:**L***

Message	SIA Activate	SIA reset
Interlocking output disabled	WS	WJ

Parameters

Area	AREA
Address	POINT
PI	
Text	

Description

The output on interlocking AREA-POINT has been disabled.

Comments

ri**AREA** / WS00**PT**

Message	SIA Activate	SIA reset
Output on control unit / expansionboard disabled	ZS	ZJ

Parameters

Area	
Address	BOARDNO, OUTNO, DEVICETYPE
PI	CU
Text	

Description

An output on a control unit or expansion board has been disabled.

Comments

pi**CU**0000 / ZS0**TOD***REASON:**RRR***
pi**CU**0000 / ZS1**BOD***REASON:**RRR***
T = 0: Relay output on control unit (R0, R1)
T = 1: Voltage output on control unit (S0 - S3)
O: Output number
D: Device type
B: Expansion board number
RRR: one of "No Reason", "Manual", “TimeChannel", "OpenDoor", "CloseDoor", "Interlocking", "GlobalManual" or "KeyPressed".

Message	SIA Activate	SIA reset
Output on a loop unit disabled	AA	AB

Parameters

Area	OUTPUTNO
Address	
PI	TECHNO
Text	

Description

Output OUTNO on loop unit with technical number TECHNO has been disabled.

Comments

pi**TECHNO** / ri000**O** / AA**LADR***REASON:**RRR***

Message	SIA Activate	SIA reset
Device Type Disabled	BV	BX

Parameters

Area	
Address	DEVICETYPE
PI	CU
Text	TYPETEXT

Description

All outputs of a certain device type has been disabled for a control unit, or in the whole system.

Comments

0-9 = The control unit

10-19 = Globally

pi**CU**0000 / BV000**D***TYPE:TYPETEXT REASON:**RRR*** (**RRR** as above).

pi**CU**0000 / BV001**D***TYPE:TYPETEXT REASON:Global Manual*

8. SERVICE SIGNAL MESSAGES

Message **Service Signal**	SIA Activate AS	SIA reset AN
Parameters Area ZONE Address ADDRESS PI TECHNO Text		
Description A service signal from sensor with technical number TECHNO has been activated, deactivated or acknowledged.		
Comments pi**TECHNO** / ri**ZONE** / AS**ADDR**		

9. MISCELLANEOUS MESSAGES

Message	SIA Activate	SIA reset
Test Mode Activated / De-activated	FZ	FK

Parameters

Area	ZONE
Address	
PI	CU
Text	

Description

Comments

pi**CU**0000 / ri**ZONE** / FI0000

Message	SIA Activate	SIA reset
Door Opened / Closed	DN	DH

Parameters

Area	
Address	EBF
PI	CU
Text	

Description

Comments

AAA = CU

000 – 999 = Fire brigade panel

pi**CU**0000 / DN0AAA

pi**CU**0000 / DN0**EBF**

Message	SIA Activate	SIA reset
Control Unit Shutdown	KT	KR

Parameters

Area	
Address	
PI	CU
Text	

Description

Comments

pi**CU**0000 / CE0000

Message	SIA Activate	SIA reset
Silence Alarm Devices	DT	FQ

Parameters

Area	
Address	
PI	
Text	

Description

Comments

FL0000

Message	SIA Activate	SIA reset
Downloading SSD Started	LB	

Parameters

Area	
Address	
PI	CU
Text	

Description

The download to control unit CU has begun.

Comments

pi**CU**0000 / LB0000

Message	SIA Activate	SIA reset
Downloading SSD Completed	LU	LS

Parameters

Area	
Address	
PI	CU
Text	STATUS MESSAGE

Description

The download to control unit CU has completed.

Comments

pi**CU**0000 / LU0000 (SSD checksum error after download)

pi**CU**0000 / LS0000 (Download ok)

Message	SIA Activate	SIA reset
Device Type Activated	WF	WH

Parameters

Area	DEVICETYPE
Address	N
PI	
Text	

Description

There are N outputs of device type DEVICETYPE currently activated.

Comments

ri**TYPE** / CL**NNNN**

ri**TYPE** / CP0000

Message	SIA Activate	SIA reset
Login Attempts Exceeded	JA	

Parameters

Area	
Address	
PI	
Text	

Description

When a user has tried to log on to the webserver three times and failed, the webserver will send this message.

Comments

JA0000

Message	SIA Activate	SIA reset
Changed Password	JV	

Parameters

Area	
Address	
PI	
Text	USERNAME

Description

Comments

JV0000*USERNAME=**N***

'**N**'is a one digit number. 0 = Daily user, 1 = Maintenance, 2 = Service, 3 = PC (Win512), 4 = Web user.

Message	SIA Activate	SIA reset
Automatic Fire Alarm Test	RP	

Parameters

Area	
Address	VERSION
PI	
Text	

Description

Comments

RP0**VVV**

VERSION is the web server version on the form V.V.V. Example for version 1.0 of the webserver the SIA message is RP0100, for version 2.5.3 it's RP0253.

Message	SIA Activate	SIA reset
Extinguishing System Activated	SA	SH

Parameters

Area	
Address	
PI	
Text	

Description

This message is sent when 1 or more outputs of device type extinghuishing system becomes activated.

Comments

SA0000

Message	SIA Activate	SIA reset
Synchronization Start / End	PT	PU

Parameters

Area	
Address	CU
PI	
Text	

Description

This message is sent system synchronization starts or ends

Comments

PT00**cu** (Start of syncronization)

PU00**cu** (End of syncronization)

Message	SIA Activate	SIA reset
Calibration Of Outputs	BB	~~BC~~

Parameters

Area
Address
PI CU
Text

Description

This message is sent for calibration of output command. There is no feedback for this command

Comments

pi**cu**0000 / BB0000

Message	SIA Activate	SIA reset
Sensitive fault detection mode On/Off	BG	MR

Parameters

Area
Address
PI CU
Text

Description

This message is sent for fault detection mode command.

Comments

pi**cu**0000 / BG0000 (on)
pi**cu**0000 / BM0000 (off)

Message	SIA Activate	SIA reset
Lock Direction For Loop Communication	MT	KJ

Parameters

Area	
Address	Board (B) , Loop (L) , Direction (D)
PI	CU
Text	

Description

This message is sent for lock loop communication direction command.

Comments

pi**cu**0000 / BU0A**L**A (Lock NMAST Loop L in A-direction)
pi**cu**0000 / BU0A**L**B (Lock NMAST Loop L in B-direction)
pi**cu**0000 / BU0A**L**C (Lock NMAST Loop L in Both-direction)
pi**cu**0000 / CA0A**L**C (UnLock NMAST Loop L)
pi**cu**0000 / BU0**BL**A (Lock BS4, board B, Loop L in Adirection)
pi**cu**0000 / BU0**BL**B (Lock BS4, board B, Loop L in Bdirection)
pi**cu**0000 / BU0**BL**C (Lock BS4, board B, Loop L in Bothdir.)
pi**cu**0000 / CA0**BL**C (UnLock BS4, board B, Loop L)

Message	SIA Activate	SIA reset
Activated Interlocking Input/output	CD	CF

Parameters

Area	AREA
Address	POINT
PI	
Text	Activation-time, input and/or output

Description

This message is sent for activated/de-activated interlocking input, output, and input/output.

Comments

ri**ZONE** / CD**ADDR*HH:MM**, **INPUTOUTPUT*** (interlocking input/output activated)
ri**ZONE** / CF**ADDR*INPUTOUTPUT*** (interlocking input/output de-activated)

10. COMPATIBILITY TABLE

SIA Version	Web128	Web512	WebG3	EBLWeb
I	V 1.1.0	V 2.5.0	V 1.0.0	
II	V 1.1.2	V 2.6.4	V 1.0.1	
III		V 2.6.6	V 1.1.1	V 2.0.0

11. TECHNICAL DATA

Hardware	Web-server II 1598, Gateway 5088			
	EBL128 ≥1.1	**EBL512 ≥2.6**	**EBL512 G3 ≥1.1**	**EBL128/EBL512 G3 ≥2.0**
Web-server / Gateway software	Web128	Web512	WebG3	EBLWeb
Configuration	Web128II Config Tool	Web512II Config Too	WebG3 Config Tool	EBLWin

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