

## **Certificate of Product Approval**

Certificate Number: 548p Issue: 25



#### **Gulf Security Technology Co., Ltd**

No 80 Changjiang East Road QETDZ Qinhuangdao, Hebei Province 066004 China

is certified by BRE Global Ltd. and is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirement(s) of the standards as detailed below:

#### **Products**

Control and Indicating Equipment GST-IFP8, GST102A GST104A, GST108A, GST116A GST200N-2, GST200N-1, GST-IFP4E, GST-NR2EC, GST-NR2EF

(refer to Appendix for details)

#### **Standards**

EN 54-2:1997 + A1:2006 EN 54-4:1997 + A1:2002 + A2:2006

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S. David

2 April 2025

8 May 2009

Date of First Issue

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### **Gulf Security Technology Co., Ltd**

Certified Product		Description	LPCB Ref.No.
GST-IFP8	Intelligent 8 Loo	p, 140 Zone Analogue Addressable Control and Indicating	548p/02
	Equipment		
	Incorporating th	e following units:	
	SB-800	Indication board	
	LCIFP8	Loop board	
	PB-800	Power board	
	ZP-800	ZCP board	
	KB-800	Keypad board	
	MB-800	Main board	
	MO-800	Mother board	
	PS-800	Switch Mode Power Supply SP-320-27	
	Incorporating as	optional modular units:	
	P-9935	USB communication board	
	P-9935Modbus	RS232 ModBus Communication Card	
	P-9945RP	Repeater Card	
	P-9945A	Class A RS485 Network Card	
	P-9965	Class B CAN Network Card	
	P-9965A	Class A CAN Network Card	
	P-9904	Printer Interface Card	
	Ontional langua	go varianto:	
	Optional langua	Portuguese language variant	
	GST-IFP8-PT	Hungarian language variant	
	031-1550-110	Hungarian language variant	

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### **Gulf Security Technology Co., Ltd**

Certified Product			Description	LPCB Ref.No.
	GST-IFP8	B-FR Fr	ench language variant	
	GST-IFP8	3-IT Ita	ilian language variant	
	GST-IFP8	S-SP Sp	anish language variant	
	GST-IFP8	3-TK Tu	ırkish language variant	
	Certified	with the fo	llowing options with requirements from EN 54-2:	
7	7.8	Output to f	ire alarm devices	
7	7.9.1	Output to f	ire routing equipment	
7	7.9.2	Alarm conf	irmation input from fire routing equipment	
7	7.10.1	Output typ	e A	
7	7.10.2	Output typ	е В	
7	7.11	Delays to o	utputs	
7	7.12.1	Dependend	ies on more than one alarm signal - Type A	
7	7.12.2	Dependend	ies on more than one alarm signal - Type B	
7	7.13	Alarm coun	iter	
8	8.3	Fault signal	s from points	
9	9.5	Disablemer	nt of each address point	
	10	Test condit	ion	
	Notes:			
	1.		proval does not include the operation of the network functionality	
	2.		ct approval does not constitute compliance with the fire detection rm systems requirements of EN 54-13.	

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### **Gulf Security Technology Co., Ltd**

Certified Product	Description	LPCB Ref.No.
GST102A	2 Zone Conventional Control and Indicating Equipment	548p/03
	Incorporating the following modules:	
	FC-102A/ F7.843.399 Membrane	
	CB-102A/ F2.908.1719 Control board with integrated PSE	
	DB-102A/ F2.908.1722	
	Optional modules:	
	GST102A-HK Traditional Chinese text variant	
	CF-102A/ F7.843.421 Membrane	
	Certified with the following options with requirements from EN 54-2:	
	7.8 Output to fire alarm devices	
	7.9.1 Output to fire routing equipment	
	7.11 Delays to outputs	
	10 Test condition	
GST104A	4 Zone Conventional Control and Indicating Equipment	548p/04
	Incorporating the following modules:	
	FC-104A/ F7.843.400 Membrane	
	CB-104A/ F2.908.1718 Control board with integrated PSE	
	DB-104A/ F2.908.1721 Display board	
	Optional modules:	
	GST104A-HK Traditional Chinese text variant	

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Certified Product	Description	LPCB Ref.No.	
	CF-104A/ F7.843.422 Membrane		
	Certified with the following options with requirements from EN 54-2:		
	7.8 Output to fire alarm devices		
	7.9.1 Output to fire routing equipment		
	7.11 Delays to outputs		
	10 Test condition		
GST108A	8 Zone Conventional Control and Indicating Equipment	548p/05	
	Incorporating the following modules:		
	FC-108A/ F7.843.401 Membrane		
	CB-108A/ F2.908.1675 Control board with integrated PSE		
	DB-108A/ F2.908.1720 Display board		
	Optional modules:		
	GST108A-HK Traditional Chinese text variant		
	CF-108A/ F7.843.423 Membrane		
	Certified with the following options with requirements from EN 54-2:		
	7.8 Output to fire alarm devices		
	7.9.1 Output to fire routing equipment		
	7.11 Delays to outputs		
	10 Test condition		
GST116A	16 Zone Conventional Control and Indicating Equipment	548p/06	

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Certified Product		Description	LPCB Ref.No.
	Incorporating the following modules:		
	FC-116A/ F7.843.402	Membrane	
	CB-116A/ F2.908.1724	Control board with integrated PSE	
	DB-116A/ F2.908.1676	Display board	
	XB-116A/ F7.820.1677	Expansion board	
	Optional modules:		
	GST116A-HK	Traditional Chinese text variant	
	CF-116A/ F7.843.424	Membrane	
	Certified with the follow	the following options with requirements from EN 54-2:	
	7.8 Output to fire alarm devices		
	7.9.1 Output to fire r	outing equipment	
	7.11 Delays to output	its	
	10 Test condition		
GST200N-2		ne Analogue Addressable Control and Indicating	548p/07
	Equipment		
	Incorporating the follow	ing units:	
	MB-220N Main b	poard	
	PS-220N Power	management board	
	OX-220 Termin	nal board	
	ZP-220 Zone in	ndication and intervention board	
	SB-220 Switch	board	

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Certified Product		Description	LPCB Ref.No.
	TB-220N	Loop interface board	
	LC200	Loop board	
	PDF-150-27.5	Powered SMPS 100-240V power supply	
	Incorporating a	s optional modular units:	
	P-9930	RS-232 board for configuration	
	P-9901A	Printer module kit	
	P-9960A	CAN network card loop type board	
	P-9930ModBus	RS232 Modbus interface card	
	Certified with th	ne following options with requirements from EN 54-2:	
	7.8 Output	t to Fire Alarm Devices	
	7.10.1 Output	t to automatic Fire Protection Equipment Type A	
	7.11 Delays	to outputs	
	8.3 Fault s	ignals from points	
	9.5 Disable	ement of addressable points	
	Notes:		
	2. This pr	of approval does not include the operation of the network functionality oduct approval does not constitute compliance with the fire detection e alarm systems requirements of EN 54-13.	
GST200N-1	Intelligent 1 Loc	op, 30 Zone Analogue Addressable Control and Indicating	548p/11
	Equipment		
	Incorporating th	ne following units:	

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Certified Product		Description	LPCB Ref.No.
	MB-220N	Main board	
	PS-220N	Power management board	
	OX-220	Terminal board	
	ZP-220	Zone indication and intervention board	
	SB-220	Switch board	
	TB-220N	Loop interface board	
	PDF-150-27.5	Powered SMPS 100-240V power supply	
	Incorporating as	optional modular units:	
	P-9930	RS-232 board for configuration	
	P-9901A	Printer module kit	
	P-9960A	CAN network card loop type board	
	P-9930ModBus	RS232 Modbus interface card	
	Optional languag	ge variants:	
	GST200N-PT	Portuguese language variant	
	GST200N-HU	Hungarian language variant	
	GST200N-FR	French language variant	
	GST200N-IT	Italian language variant	
	GST200N-SP	Spanish language variant	
	GST200N-TK	Turkish language variant	
	GST200N-HK	Traditional Chinese language variant	
	GST200N-RO	Romanian language variant	
	Certified with th	e following options with requirements from EN 54-2:	

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Certified Product		Description	LPCB Ref.No.
	7.8	Output to Fire Alarm Devices	
	7.10.1	Output to automatic Fire Protection Equipment Type A	
	7.11	Delays to outputs	
	8.3	Fault signals from points	
	9.5	Disablement of addressable points	
	Notes:		
	1. 2. 3.	Can be converted to 2 loops by adding LC200 Loop board Scope of approval does not include the operation of the network functionality This product approval does not constitute compliance with the fire detection and fire alarm systems requirements of EN 54-13.	
GST-IFP4E	1-6 Loo	p Intelligent Analogue Addressable Control and Indicating Equipment	548p/13
	Incorpo	rating the following units:	
	SD-400I	E LCD Screen Driver Board	
	KB-400I	E Keypad Board	
	IB-400	Indicator Board	
	MP-401	.E CPU Card	
	MP-400	MCU Mounting Board	
	NC-400	E NAC Card	
	MB-400	DE Mother Board	
	PF-200	Power Filter	
	PSU-250	DE Power Supply Unit Incorporating:	
	PB-400	E Power Supply Board	
	PS-400E	AC-DC Converter WSD-U250D27+30III	

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Certified Product		Description	LPCB Ref.No.
	Incorporating as o	ptional modular units:	
	LC-401E	Single Loop Card	
	LC-402E	Dual Loop Card	
	ZC-400E	Zone Display and Control Board	
	P-9981E	Zone Display Panel	
	P-9982E	Zone Display and Control Panel	
	ZC-400FE	Zone Display and Control Board	
	P-9981FE	Zone Display Panel	
	P-9982FE	Zone Display and Control Panel	
	P-9983EA	Fiber-Optical Class A Network Card	
	P-9966EA	CAN Class A Network Card	
	P-9956E-Modbus	Modbus Card	
	PR-400B	Thermal Printer (Ancillary)	
	Optional language	e variants:	
	IFP4E-LK-EN	GST-IFP4E- Language Kit (English)	
	IFP4E-LK-IT	GST-IFP4E- Language Kit (Italian)	
	IFP4E-LK-ES	GST-IFP4E- Language Kit (Spanish)	
	IFP4E-LK-PT	GST-IFP4E - Language Kit (Portuguese)	
	IFP4E-LK-AR	GST-IFP4E - Language Kit (Arabic)	
	IFP4E-LK-TC	GST-IFP4E - Language Kit (Traditional Chinese)	
	IFP4E-LK-FR	GST-IFP4E - Language Kit (French)	
	IFP4E-LK-RU	GST-IFP4E -Language Kit (Russian)	
	IFP4E-LK-HU	GST-IFP4E - Language Kit (Hungarian)	

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Description	LPCB Ref.No.
IFP4E-LK-TR GST-IFP4E - Language Kit (Turkish)	
Certified with the following options with requirements from EN 54-2:  7.8 Output to fire alarm device(s)  7.11 Delays to outputs  7.12.1 Dependencies on more than one alarm signal- Type A  7.12.2 Dependencies on more than one alarm signal -Type B  7.13 Alarm counter  8.3 Fault signals from points  8.4 Total loss of the power supply  9.5 Disablement of each address point	
10 Test condition	
Notes:  1. Scope of approval does not include the operation of the network functionality 2. This product approval does not constitute compliance with the fire detection and fire alarm system requirements of EN 54-13.	
R2EC Network Repeater external to panel connected to CAN class A Network card	548p/R01
Incorporating the following units:  IB-MNA2E Indicator Board  SD-NR2E LCD Screen Drive Board  MB-NR2EC Mother board	
	Mother board

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Certified Product		Description	LPCB Ref.No.
	NR2E-LK-EN	GST-NR2E Network Repeater Language Kit (English)	
	NR2E-LK-IT	GST-NR2E Network Repeater Language Kit (Italian)	
	NR2E-LK-ES	GST-NR2E Network Repeater Language Kit (Spanish)	
	NR2E-LK-PT	GST-NR2E Network Repeater Language Kit (Portuguese)	
	NR2E-LK-AR	GST-NR2E Network Repeater Language Kit (Arabic)	
	NR2E-LK-TC	GST-NR2E Network Repeater Language Kit (Traditional Chinese)	
	NR2E-LK-FR	GST-NR2E Network Repeater Language Kit (French)	
	NR2E-LK-RU	GST-NR2E Network Repeater Language Kit (Russian)	
	NR2E-LK-HU	GST-NR2E Network Repeater Language Kit (Hungarian)	
	NR2E-LK-TR	GST-NR2E Network Repeater Language Kit (Turkish)	
	Notes:		
	1. Compatible	with CIE - GST-IFP4E	
GST-NR2EF	Network Repe	ater external to panel connected to Fiber-Optical Network Card	548p/R02
	Incorporating t	the following units:	
	IB-MNA2E	Indicator Board	
	SD-NR2E	LCD Screen Drive Board	
	MB-NR2EF	Mother board	
	Optional langu	age variants:	
	NR2E-LK-EN	GST-NR2E Network Repeater Language Kit (English)	
	NR2E-LK-IT	GST-NR2E Network Repeater Language Kit (Italian)	
	NR2E-LK-ES	GST-NR2E Network Repeater Language Kit (Spanish)	

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Certified Product		Description	LPCB Ref.No.
	NR2E-LK-PT	GST-NR2E Network Repeater Language Kit (Portuguese)	
	NR2E-LK-AR	GST-NR2E Network Repeater Language Kit (Arabic)	
	NR2E-LK-TC	GST-NR2E Network Repeater Language Kit (Traditional Chinese)	
	NR2E-LK-FR	GST-NR2E Network Repeater Language Kit (French)	
	NR2E-LK-RU	GST-NR2E Network Repeater Language Kit (Russian)	
	NR2E-LK-HU	GST-NR2E Network Repeater Language Kit (Hungarian)	
	NR2E-LK-TR	GST-NR2E Network Repeater Language Kit (Turkish)	
	Notes:		
	1. Compatible	with CIE - GST-IFP4E	

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#### **Alternative Model No./Label**

LPCB Ref No.	Model No.	Model No./Label	Cross-listed company	Cross-Listed Co Cert./ Ref No.
548p/02	GST-IFP8	FX-IFP8	FIREX Protection System Technology Ltd	548p-(cl-5)
548p/03	GST102A	FX102A	FIREX Protection System Technology Ltd	548p-(cl-5)
548p/04	GST104A	FX104A	FIREX Protection System Technology Ltd	548p-(cl-5)
548p/05	GST108A	FX108A	FIREX Protection System Technology Ltd	548p-(cl-5)
548p/06	GST116A	FX116A	FIREX Protection System Technology Ltd	548p-(cl-5)
548p/07	GST200N-2	FX200N-2	FIREX Protection System Technology Ltd	548p-(cl-5)
548p/11	GST200N-1	FX200N-1	FIREX Protection System Technology Ltd	548p-(cl-5)

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