

# Certificate of Product Approval

## Gulf Security Technology Co., Ltd


CERTIFICATE NUMBER	ISSUE	COMPANY ADDRESS
548p	26	No 80 Changjiang East Road QETDZ Qinhuangdao, Hebei Province 066004 China

The named company is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) detailed below:

PRODUCTS	STANDARDS
Control and Indicating Equipment	EN 54-2:1997 + A1:2006
GST-IFP8      GST102A	EN 54-4:1997 + A1:2002 + A2:2006
GST104A      GST108A	
GST116A      GST200N-2	
GST200N-1    GST-IFP4E,	
GST-NR2EC    GST-NR2EF	

(refer to Appendix for details)

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 Signed for BRE Global Ltd	S. David Verifier	05 March 2026 Date of Issue
08 May 2009 Date of First Issue		



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Appendix to Certificate No: 548p

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Certified Product	Description	LPCB Ref No.
GST-IFP8	<p>Intelligent 8 Loop, 140 Zone Analogue Addressable Control and Indicating Equipment</p> <p>Incorporating the following units:</p> <p>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</p> <p>Incorporating the following optional modules:</p> <p>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</p> <p>Optional language variants;</p> <p>GST-IFP8-PT Portuguese language variant                      GST-IFP8-HU Hungarian language variant                      GST-IFP8-FR French language variant                      GST-IFP8-IT Italian language variant</p>	548p/02

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	<p>GST-IFP8-SP Spanish language variant GST-IFP8-TK Turkish language variant</p> <p>Certified with the following options with requirements from EN 54-2:</p> <ul style="list-style-type: none"> <li>7.8 Output to fire alarm devices</li> <li>7.9.1 Output to fire routing equipment</li> <li>7.9.2 Alarm confirmation input from fire routing equipment</li> <li>7.10.1 Output type A</li> <li>7.10.2 Output type B</li> <li>7.11 Delays to outputs</li> <li>7.12.1 Dependencies on more than one alarm signal - Type A</li> <li>7.12.2 Dependencies on more than one alarm signal - Type B</li> <li>7.13 Alarm counter</li> <li>8.3 Fault signals from points</li> <li>9.5 Disablement of each address point</li> <li>10 Test condition</li> </ul> <p>Notes:</p> <ol style="list-style-type: none"> <li>1. Scope of approval does not include the operation of the network functionality</li> <li>2. This product approval does not constitute compliance with the fire detection and fire alarm systems requirements of EN 54-13.</li> </ol>	
GST102A	<p>2 Zone Conventional Control and Indicating Equipment</p> <p>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 Display board</p> <p>Incorporating the following optional modules:</p>	548p/03

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	<p>GST102A-HK Traditional Chinese text variant CF-102A/ F7.843.421 Membrane</p> <p>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</p>	
GST104A	<p>4 Zone Conventional Control and Indicating Equipment</p> <p>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</p> <p>Incorporating the following optional modules: GST104A-HK Traditional Chinese text variant CF-104A/ F7.843.422 Membrane</p> <p>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</p>	548p/04
GST108A	<p>8 Zone Conventional Control and Indicating Equipment</p> <p>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</p>	548p/05

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	<p>Incorporating the following optional modules:                  GST108A-HK                      Traditional Chinese text variant                  CF-108A/ F7.843.423      Membrane</p> <p>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</p>	
GST116A	<p>16 Zone Conventional Control and Indicating Equipment</p> <p>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</p> <p>Incorporating the following optional modules:                  GST116A-HK                      Traditional Chinese text variant                  CF-116A/ F7.843.424      Membrane</p> <p>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</p>	548p/06
GST200N-2	<p>Intelligent 2 Loop, 30 Zone Analogue Addressable Control and Indicating Equipment</p> <p>Incorporating the following units:</p>	548p/07

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	<p>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                  LC200 Loop board                  PDF-150-27.5 Powered SMPS 100-240V power supply</p> <p>Incorporating the following optional modules:                  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</p> <p>Certified with the following options with requirements from EN 54-2:                  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</p> <p>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 systems requirements of EN 54-13.</p>	
<p>GST200N-1</p>	<p>Intelligent 1 Loop, 30 Zone Analogue Addressable Control and Indicating Equipment</p> <p>Incorporating the following units:</p>	<p>548p/11</p>

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	<p>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</p> <p>Incorporating the following optional modules:          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</p> <p>Optional language 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</p> <p>Certified with the following options with requirements from EN 54-2:          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</p>	
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	<p>Notes:</p> <ol style="list-style-type: none"> <li>1. Can be converted to 2 loops by adding LC200 Loop board</li> <li>2. Scope of approval does not include the operation of the network functionality</li> <li>3. This product approval does not constitute compliance with the fire detection and fire alarm systems requirements of EN 54-13.</li> </ol>	
GST-IFP4E	<p>1-6 Loop Intelligent Analogue Addressable Control and Indicating Equipment</p> <p>Incorporating the following units:</p> <p>SD-400E LCD Screen Driver Board          KB-400E Keypad Board          IB-400 Indicator Board          MP-401E CPU Card          MP-400 MCU Mounting Board          NC-400E NAC Card          MB-400E Mother Board          PF-200 Power Filter</p> <p>PSU-250E Power Supply Unit Incorporating:          PB-400E Power Supply Board          PS-400E AC-DC Converter WSD-U250D27+30III</p> <p>Incorporating the following optional modules:</p> <p>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>	548p/13

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	2. This product approval does not constitute compliance with the fire detection and fire alarm system requirements of EN 54-13.	
GST-NR2EC	<p>Network Repeater External to Panel Connected to CAN Class A Network Card</p> <p>Incorporating the following units:                      IB-MNA2E      Indicator Board                      SD-NR2E      LCD Screen Drive Board                      MB-NR2EC      Mother board</p> <p>Optional language 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)                      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)</p> <p>Notes:                      1. Compatible with CIE - GST-IFP4E</p>	548p/R01
GST-NR2EF	<p>Network Repeater External to Panel Connected to Fiber-Optical Network Card</p> <p>Incorporating the following units:                      IB-MNA2E      Indicator Board                      SD-NR2E      LCD Screen Drive Board                      MB-NR2EF      Mother board</p> <p>Optional language variants:</p>	548p/R02

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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	

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Alternative Model No./Label

LPCB Ref No.	Model No.	Alternative 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)
548p/13	GST-IFP4E	FX-IFP4E	FIREX Protection System Technology Ltd	548p-(cl-5)
548p/R01	GST-NR2EC	FX-NR2EC	FIREX Protection System Technology Ltd	548p-(cl-5)

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