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Gamewell s3 operation manual

Gamewell s3 series operation manual.

Page 2 Page 3 Page 4 Page 5 Page 6 Page 7 Programming Options THE FOLLOWING ARE GAMEWELL-FCI PROGRAMMING SETTINGS THAT WILL BE MODIFIED FOR CAMWORKS PROGRAMMING. Notice to Users, Installers, Authorities Having Jurisdiction and Other Involved Parties: This product uses the CAMWorks™ Programming. You cannot program this product from the Display Panel. To program this product, you must contact your Gamewell-FCI Customer Support Representative to schedule a Factory Certified Training Class.

Basic programming options are done using an AUTO CONFIG program and are described in the next Section. This product incorporates field-programmable software. In order for the product to comply with the requirements in the Standard for Control Units and Accessories for Fire Alarm Systems, UL 864, certain programming features or options must be limited to specific values or not used at all as indicated in the Table 5.1. NOTE: NOTICE to users, installers, Authorities Having Jurisdiction (AHJ), and other involved parties: This product incorporates field programmable software. In order for the product to comply with the requirements in the Standard for Control Units and Accessories for Fire Alarm Systems, UL Standard 864 9th Edition, certain programming features or options must be limited to specific values or not used at all as indicated below. Programmable Feature Trouble Reminder Supervisory Sounder Cadence PAS Acknowledge Time PAS Investigate Time Standard NAC Codes: Temporal 3 March Time 60 BPM March Time 120 BPM Steady California Code Coded 4'S DACT: - Daily Max # of ALARM Reports - Daily Max # of Supervisory Reports - Daily Max # of Trouble Reports AC Fail Reporting Delay by DACT Alarm Event Display Priority Releasing Delay © From uIP Copyright (c) 2001-2006, Adam Dunkels and the Swedish Institute of Computer Science All rights reserved. NOTE: THIS SOFTWARE IS PROVIDED BY THE AUTHOR 'AS IS' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION). HOWEVER, CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. 50 Permitted in UL 864 Possible Settings Table 5.1 Programming Options © uIP is an open source software, licensed under the following BSD-style license: SOFTWARE WARRANTY DISCLAIMER: S3 Series UL Listing Document — P/N LS10005-051GF-E: D3 3/09/2016 Yes Enabled/Disabled Yes Steady/Pulsed Yes 1 to 3600 Seconds Yes 1 to 3600 Seconds Temporal 3 March Time 60 BPM March Time 120 BPM Yes Steady California Code Coded 4'S Yes Unlimited or 5 to 315 by increments of 5 Yes Unlimited or 5 to 155 by increments of 5 Yes Unlimited or 5 to 155 by increments of 5 Yes 1 to 31 hours No CO Highest/Fire Highest (Default) Yes CAMWorks Timer User Programmable 1 to 3600 Seconds uIP Code License UL Permitted Settings Enabled (Default) Steady/Pulsed 15 Seconds (Default) 150 Seconds (Default) Steady (Default) Temporal 3 (ANSI S3.41) Unlimited (Default) 10 (Default) 1 to 3 hours FIRE is Highest Priority Up to 60 Seconds Maximum Page 8 Page 9 Page 10 When finished with the original installation and all modifications, conduct a complete operational test on the entire installation to verify compliance with applicable NFPA standards. Testing should be conducted by a factory-trained fire alarm technician in the presence of a representative of the Authority Having Jurisdiction and the owner's representative.



Follow procedures outlined in NFPA Standard 72's section on Inspection, Testing and Maintenance. Periodic Testing and Service Periodic testing and servicing of the control panel, all initiating and notification devices, and any other associated equipment is essential to ensure proper and reliable operation. Test and service the control panel according to the schedules and procedures outlined in the following documents: • NFPA Standard 72's section on Inspection, Testing and Maintenance. • Service manuals and instructions for the peripheral devices installed in the system. Correct any trouble condition or malfunction immediately. Operational Checks Between formal periodic testing and servicing intervals, the following operation checks should be performed monthly, or more frequently when required by the Authority Having Jurisdiction. • Before proceeding: a) notify the fire department and the central alarm receiving station if transmitting alarm conditions; b) notify facility personnel of the test so that alarm sounding devices are disregarded during the test period; and c) when necessary, disable activation of alarm notification appliances and speakers to prevent their sounding. • Disconnect all releasing devices to prevent accidental activation in accordance with NFPA 2001 and NFPA 12A releasing agents. WARNING: ! Do not rely on disable/enable software settings to lockout releasing devices. • Check that the green POWER LED lights are on. • Check that all status LEDs are off. • Press and hold the LAMP TEST key. Verify that all LEDs and all LCD display segments work. • Activate an Initiating Device Circuit using an alarm initiating device or an addressable initiating device on the SLC and check that all programmed active notification appliances function.

Reset the alarm initiating device, the control panel, and any other associated equipment. Select the paging function and confirm that the message can be heard in the affected fire zones. Repeat the above step with each Initiating Device Circuit and each addressable device. • Remove AC power, activate an Initiating Device Circuit through an alarm initiating device or an addressable initiating device on the SLC, and check that programmed active notification appliances sound, and alarm indicators illuminate. Measure the battery voltage with notification appliances active. Replace any battery with a terminal voltage less than 21.6 VDC and reapply AC Power. NOTE: power outage, allow the batteries to charge for 48 hours before testing. • Return all circuits to their pretest condition. • Check that all status LEDs are off and the green POWER LED is on. • Notify fire, central station and/or building personnel when you finish testing the system. Rechargeable battery maintenance and replacement (where a rechargeable battery is used, proper maintenance and testing procedures shall be described. Replaced battery with (battery manufacturer's name or end product manufacturer's name, part number) only. Use of another battery may present a risk of fire or explosion. S3 Series UL Listing Document — P/N LS10005-051GF-E: D3 3/09/2016 The battery test requires fully charged batteries. If batteries are new or discharged due to a recent Battery Requirement Table 6.1 Testing and Maintenance Batteries Used Use BAT 12120 batteries. Use BAT 12120 batteries. Note: This product does not use lithium batteries, N/A. 53Page 11 Page 12 Page 13 Page 14 Page 15 Page 16 Manufacturer Warranties and Limitation of Liability

Manufacturer Warranties. Subject to the limitations set forth herein, Manufacturer warrants that the Products manufactured by it in its Northford, Connecticut facility and sold by it to its authorized Distributors shall be free, under normal use and service, from defects in material and workmanship for a period of thirty six months (36) months from the date of manufacture (effective Jan. 1, 2009).



The Products manufactured and sold by Manufacturer are date stamped at the time of production. Manufacturer does not warrant Products that are not manufactured by it in its Northford, Connecticut facility but assigns to its Distributor, to the extent possible, any warranty offered by the manufacturer of such product. This warranty shall be void if a Product is altered, serviced or repaired by anyone other than Manufacturer or its authorized Distributors. This warranty shall also be void if there is a failure to maintain the Products and the systems in which they operate in proper working conditions. MANUFACTURER MAKES NO FURTHER WARRANTIES, AND DISCLAIMS ANY AND ALL OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED, WITH RESPECT TO THE PRODUCTS, TRADEMARKS, PROGRAMS AND SERVICES RENDERED BY MANUFACTURER INCLUDING WITHOUT LIMITATION, INFRINGEMENT, TITLE, MERCHANTABILITY, OR FITNESS FOR ANY PARTICULAR PURPOSE. MANUFACTURER SHALL NOT BE LIABLE FOR ANY PERSONAL INJURY OR DEATH WHICH MAY ARISE IN THE COURSE OF, OR AS A RESULT OF, PERSONAL, COMMERCIAL OR INDUSTRIAL USES OF ITS PRODUCTS. This document constitutes the only warranty made by Manufacturer with respect to its products and replaces all previous warranties and is the only warranty made by Manufacturer. No increase or alteration, written or verbal, of the obligation of this warranty is authorized. Manufacturer does not represent that its products will prevent any loss by fire or otherwise. Warranty Claims. Manufacturer shall replace or repair, at Manufacturer's discretion, each part returned by its authorized Distributor and acknowledged by Manufacturer to be defective, provided that such part shall have been returned to Manufacturer with all charges prepaid and the authorized Distributor has completed Manufacturer's Return Material Authorization form. The replacement part shall come from Manufacturer's stock and may be new or refurbished. THE FOREGOING IS DISTRIBUTOR'S SOLE AND EXCLUSIVE REMEDY IN THE EVENT OF A WARRANTY CLAIM. Warn-HL-08-2009.fm S3 Series UL Listing Document — P/N LS10005-051GF-E: D3 3/09/2016 59Page 17 Page 18 Page 19 Page 20 Page 21 This Underwriter's Laboratory Listing Document describes the design and operation of the principal components of the S3 Series (Small Addressable Fire Alarm Control Panel). The S3 Series is a Small Analog-Addressable Fire Alarm Control Panel (FACP) that may be used in standalone or networked configurations. The S3 Series may be used as a standalone Fire Alarm Control Panel, providing the following features: • One or two Signaling Line Circuits (SLCs) supporting System Sensor or Apollo XP-95 protocols. • Four Class B Notification Appliance Circuits (NACs), which may be paired to provide two Class A NACs. The S3 Series provides an optional network interface board that allows the networked operation of multiple S3 Series and E3 Series • The network interface allows seamless integration with the Gamewell-FCI, S3 Series nodes and E3 Series nodes, including the ILI-E3 Series (Intelligent Loop Interface-E3), ILI95-E3 Series (Intelligent Loop Interface-95-E3), ANX (Addressable Node Expander), INI-VG Series (Intelligent Network Interface-Voice Gateway), and NGA (Network Graphic Annunciator). 1.1.1 S3 Series Reference Documentation Table 1.1.1.1 lists the UL-Controlled documentation assigned to the S3 Series Project. If you require detailed installation instructions on cabinetry, wiring and specifications, you can download the following UL- Controlled documents from the ESD site on the Gamewell-FCI Website (gamewell-fci.com).

Stryker S3 Operation Manual

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Part Number ULLDS LS10080-051GF-E Manuals 9000-0491 9000-0550 9000-0564 9000-0568 9000-0569 9000-0579 9000-0580 9000-0581 9000-0582 9001-0017 9001-0018 9001-0064 9001-0066 LS10044-000GF-E LS10045-000GF-E LS10046-000GF-E LS10058-000GF-E LS10062-000GF-E LS10083-000GF-E Addendum 9000-0427-L8 Frame-Post LS10056-000GF-E Label 50113616-001 1.1.1.1 Programming Documentation This product uses the CAMWorks™ Software Program. Installers must be Gamewell-FCI Factory Certified to program this product. For additional information on this product, contact the Gamewell-FCI Customer Support to schedule the Factory Certified Training. © units, E3 Series Fire System UL Listing Document E3 Series Broadband Installation/Operation Manual E3 Series Classic Installation/Operation Manual LCD-7100 (Remote Serial Annunciator) Installation Instructions ASM-16 (Addressable Switch Module) Installation Instructions ANU-48 (Remote LED Driver Annunciator) Installation Instructions NGA (Network Graphic Annunciator) Installation Instructions ILI-S-E3 (Intelligent Loop Interface - Expansion Board) Installation Instructions ILI-MB-E3 (Intelligent Loop Interface - Main Board) Installation Instructions RPT-E3-UTP (Repeater-E3 Unshielded Twisted-Pair) Installation Instructions DACT-E3 (Digital Alarm Communicator Transmitter) Installation Instructions LCD-E3 (Liquid Crystal Display-E3) Installation Instructions ILI95-MB-E3 (Intelligent Loop Interface-95 - Main Board) Installation Instructions ILI95-S-E3 (Intelligent Loop Interface-95 - Expansion Board) Installation Instructions ANX (Addressable Node Expander) Installation Instructions RAN-7100 (Remote Alphanumeric Annunciator) Installation Instructions SLC-PM/SLC95-PM (Signaling Line Circuit-Personality Module) Installation Instructions LCD-SLP (Liquid Crystal Display-Smart Loop Panel) Installation Instructions FML-E3/FSL-E3 (Fiber-Optic Multi-Mode/Fiber-Optic Single-Mode) Installation Instructions FLPS-7 (Power Supply) Installation Instructions E3 Series Cabinets B, C, D, Retrofit, DR-C4/DR-D4 and EQ Installation Instructions E3 Series, Remote Annunciator Display and Retrofit Cabinets Installation Instructions Compatibility Addendum to Gamewell-FCI I/O Manuals UL File S1869 Vol. 8C S3 Series (Small Addressable Fire Alarm Control Panel System), Operating Instructions S3 Series Door Label Table 1.1.1.1 S3 Series Reference Documents S3 Series UL Listing Document — P/N LS10005-051GF-E: D3 3/09/2016 © © Velociti , System Sensor CLIP, TitlePage 22 Page 23This product is intended to be installed in accordance with local, regional and National standards. The S3 Series System (Small Addressable Fire Alarm Control Panel) comprises the following modules: • SLP-E3 (Smart Loop Panel-Main Board) • SLC-PM or SLC95-PM (Signaling Line Circuit Driver Module for System Sensor or Apollo Loop Devices) • LCD-SLP (Lead Crystal Display-Smart Loop Panel) • FLPS-7 (7 Amp Power Supply) The FLPS-7 is the main supply circuit for the S3 Series System. 2.1.1.1 FLPS-7 Main Supply Installation Wiring Diagram Figure 2.1.1.1 illustrates the FLPS-7 main supply circuit board diagram. 2.1.2 FLPS-7 Installation Wiring Terminals Table 2.1.2.1 lists the FLPS-7 power supply installation wiring terminals. Designation LI EARTH L2 2.1.3 FLPS-7 Main Supply Circuit Specifications The FLPS-7 is the main supply circuit for the S3 Series panel. Table 2.1.3.1 lists the FLPS-7 specifications. Circuit Supervision: Nominal Voltage, Frequency: Max.current or power supply to be used: Terminal for the connection of a grounded conductor: See Figure 2.1.1.1. Operating Temperature: Operating Humidity: The maximum time during which the standby operating source maintains the minimum operating voltage (85 percent of rated voltage). This is required for releasing devices under continuous load that can't maintain 85 percent of the rated operating voltage to the releasing devices for 60 seconds after energizing. Type of device (automatic, manual, waterflow, sprinkler supervisory,

watchman supervisory, etc.). 2.1.4 Cabinet Enclosures for the FLPS-7 Table 2.1.4.1 lists the cabinet enclosure you can use to install the SLP main board. SLP-BB cabinet (also called the B-Slim cabinet) S3 Series, Cabinet B-Size 10 Required Modules J 1 Figure 2.1.1.1.1 FLPS-7 Main Supply Circuit Board Description AC Power - Hot Earth Ground AC Power - Neutral Table 2.1.2.1 FLPS-7 Installation Wiring Terminals Requirements Table 2.1.3.1 FLPS-7 Main Supply Circuit Specifications Cabinet Table 2.1.4.1 FLPS-7 Main Board Cabinet S3 Series UL Listing Document — P/N LS10005-051GF-E:D3 3/09/2016 Optional Modules • LCD-E3, LCD-7100/RAN-7100 (Remote Display Modules) • DACT-E3 (Digital Alarm Communicator Transmitter) • ASM-16/ANU-48 (Switch LED Module) • RPT-E3-UTP (Repeater Module) • FML-E3 (Fiber-Optic Multi-Mode) • FSL-E3 (Fiber-Optic Single-Mode) F L P S -7 J P 6 J P 5 Designation J1 JP5 JP6 FLPS-7 Specifications Supervised 120 V AC, 60 Hz, Max. 2.75 Amps 240 V AC, 50/60 Hz, Max. 1.4 Amps FLPS-7, 7 amperes power supply, 7 A 24 VDC 32° to 120° F (0° to 49° C) 0 to 93%, non-condensing at 90° F (30° C) N/A Refer to Section 1.3 (Product Models Nomenclature), Table 1.3.1 (Product Models Nomenclature), Part Numbers SLP-BB 14.1/2" W x 20 1/8" H x 4 1/2" D S3BB-BB/RB 19.38" W x 19.38" H x 4.50" D Description Power output connector Factory set to 120 VAC Factory set to 120 VAC DimensionsPage 24 Page 25Installation Wiring Designation TB4-5 TB4-6 TB4-7 TB4-8 TB4-9 TB5-1 TB5-2 TB5-3 TB5-4 TB6-1 TB6-2 J1 J2 J4 J5 J6 J7 SW1-1 SW1-2 SW1-3 SW1-4 SW1-5 SW1-6 SW1-7 SW1-8 SW2 SW3 SW4 SW5 W1 W2 NOTE 1: When you use the output for Releasing, verify Jumper W1 and configure within CAMWorks. Refer to Releasing in the General Settings Section for proper operation. NOTE 2: The RS-232 printer port connection cannot exceed 20 ft.; it must be in conduit and in the same room as the panel. The PRN-7 Printer is a dot-matrix printer. It is shipped with a DB-9 Adapter Kit that provides the necessary hardware and cables for installation. For additional information on the PRN-7 Printer, refer to the Manufacturer's Installation Guide. NOTE 3: When the Ethernet port is connected to FocalPoint, it cannot exceed 20 ft.; it must be in conduit and in the same room as the panel. NOTE 4: For Service Use Only. Table 2.2.1.1 SLP-E3 Main Circuit Board Installation Wiring Terminals (Continued) 12 Description SUPV NO Supervisory relay contact normally OPEN N/O SUPV C Supervisory relay contact common TRBL NC Trouble relay contact normally CLOSED N/C TRBL NO Trouble relay contact normally OPEN N/C TRBL C Trouble relay contact common RS-232 GND For Programming, GND connects to red lead on the download cable P/N 75267. For Printer Port, GND connects to printer DB-9, PIN-5. RS-232 TxD For Programming, TxD connects to black lead on the download cable P/N 75267.



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connection BAT - Negative power for battery connection AC SUPV J + 24 Power supply input connection ETHERNET RJ45 10/100 Ethernet connection for configuration downloading and for FocalPoint connection (See Note 3) NETWORK Connects to J10 of the RPT-E3-UTP SLC-PM Loop 1 SLC-PM Card connection for Loop 1 SLC95-PM Loop 2 SLC95-PM Card connection for Loop 2 LOCAL DISPLAY Local Display (LCD-SLP) connection, Connects to J5 of the LCD-SLP. SLC 1 Disconnect SLC1 disconnect (ON to disconnect, normally OFF) (See Note 4) SLC 2 Disconnect SLC2 disconnect (ON to disconnect, normally OFF) (See Note 4) NAC 1-NAC 4 NAC1-NAC4 disconnect (ON to disconnect, normally OFF) (See Note 4) Disconnect Buzzer Disable The main SLP-E3 Buzzer disable (ON to suppress local buzzer, normally OFF on the SLP-E3) (See Note 4) RS-232 BAUD Rate RS-232 BAUD rate override (ON to force 115,200bps, OFF for configured Configure BAUD rate) For Future Use Reserved For Future Use Reserved For Future Use Reserved RESET System Reset button SILENCE System Silence button ARLM ACK System Alarm Acknowledge button TRBL ACK System Trouble Acknowledge button MB/PR "MB" = For Masterbox/Releasing Solenoid "PR" = For Polarity Reversal (See Note 1) AUX TERM OFF (Normal RS485 operation) ON (RS485 Termination) S3 Series UL Listing Document — P/N LS10005-051GF-E:D3 3/09/2016 SLP-E3 Main Circuit Installation Wiring Diagram Comments NOTES RS-232 Download or Printer Port (See Note 2)Page 26