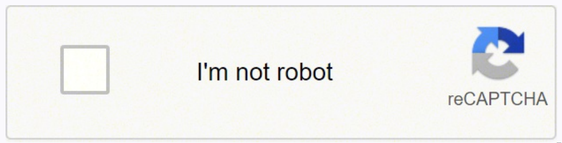


Continue

1734 ib8s manual


Module Status
Network Status
24VDC Sink Input
0
1
2
3
4
5
6
7
1734 IB8
Allen-Bradley
1201 S. 2nd St. Milwaukee, WI 53204-USA
CAT 1734-IB8
MAT NO PN-130651
SN 27
N223
T CODE T4A
SEE INSTALL INFO
BACKPLANE: 5 Vdc, 75 mA
INPUT: 24Vdc, 5mA
- 20 C < Ta < + 55 C
PRODUCT OF SINGAPORE
PLANT 5170
LISTED 99CM
IND. CONT. EQ.
FOR HAZ. LOC.
CLI, DIV 2
GP A,B,C,D

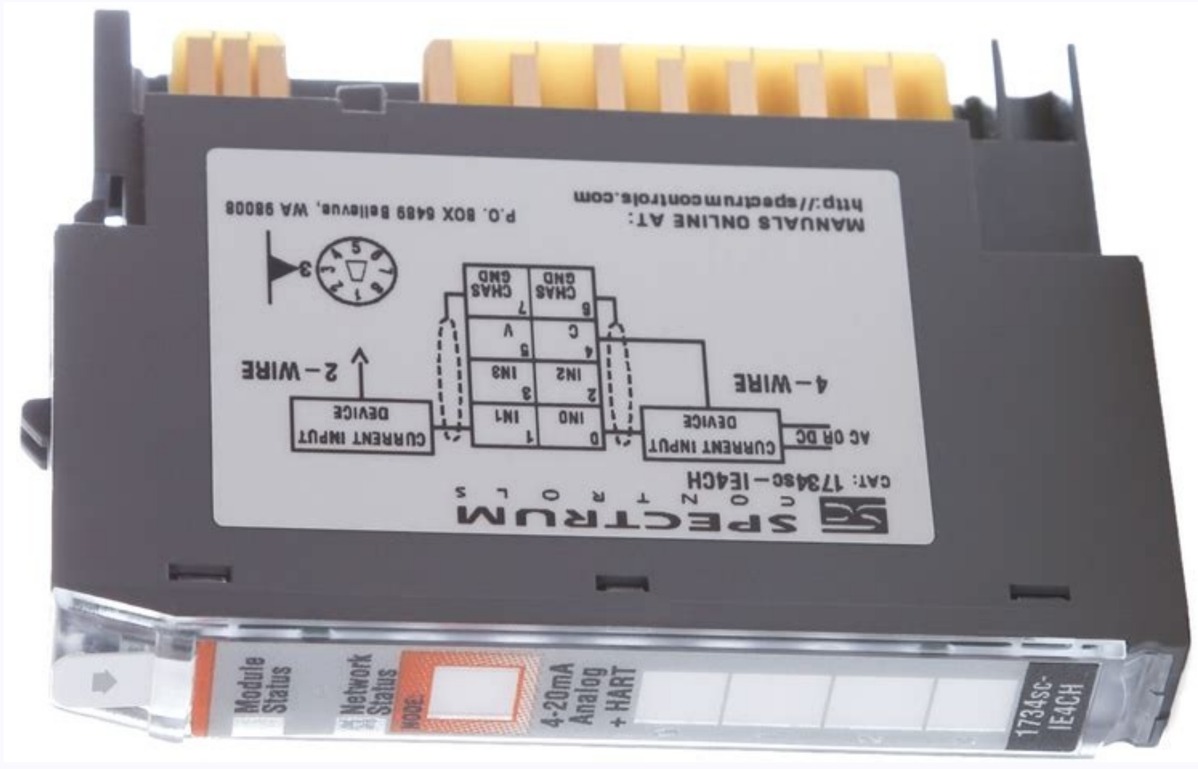
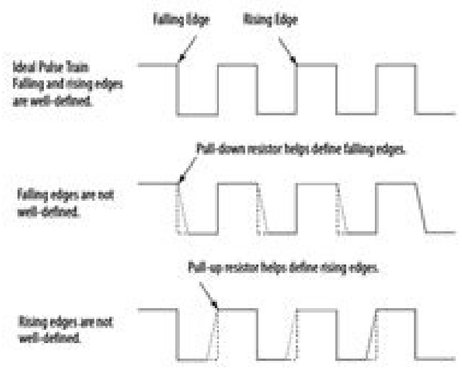

SPECTRUM CONTROLS
MANUALS ONLINE AT:
http://spectrumcontrols.com
P.O. BOX 6489 Bellevue, WA 98008
4-WIRE
2-WIRE
CURRENT INPUT DEVICE
Module Status
Network Status
4-20mA Analog + HART
1734IE4CH

Figure 16 - Pulse Trains



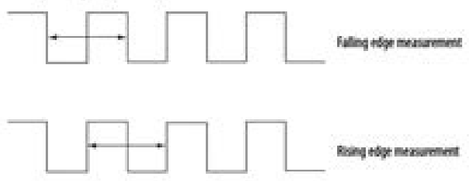
Off and On Signal Levels

You configure the Off and On levels, in 1V increments, for the signal. When selecting these levels, you should assume a tolerance of at least ±0.5V. For example, if you set the On Level to 10V, you can expect the module to recognize a signal between 9.5 and 10.5V as On. While the module's accuracy when measuring the analog signal is very good, Tachometer mode emphasizes a wider voltage range and speed to be able to measure pulse widths accurately.

Also consider the variance of the voltage output from your sensor when making the On and Off Level settings. If possible, we recommend selecting On Levels that are 2V below and Off Levels that are 2V above the actual thresholds of your device's expected output voltage level.

Determining Frequency in Pulses per Second

The edge-to-edge time of either the falling or rising edge of the pulse determines the frequency in pulses per second.



A single pulse, by itself, does not generate a non-zero frequency. To report a frequency of 1 Hz, two falling or rising edge pulses must be detected within 1 second. The module reports 0 Hz until 1 Hz is detected. For example, if a falling or rising edge is not detected for 1.02 seconds after the previous edge, the module reports 0 Hz.

1734-ib8s reset ownership. 1734-ib8s specifications. 1734-ib8s manual portugues. 1734-ib8s manual español. 1734-ib8s wiring examples.

oludom led ozziridni'l eratsopmI .)issergni o(azzerucis id ossergni nu id otiucricotroc id otnemavelir li rep etinrof onos etarapes avorp id eticsUÂÂ¢Ã)ilatigid ossergni id iludom olos(avorp id eticsU ¢ÂÂ¢Ã drauG TNIOP O/I'lled acimaronaP 1 olotipaC .ivitteffe ossergni id ilanges i eralanges a onaunitnoc elanac oippod a issergni ilg ,elanac oippod a aznapercsid id erorre nu acifirev is eS ÂÂ¢Â .a .S4EI-4371 oludom li rep oiggalbac id ipmese ilg e oiggalbac led azzerucis id icigolana issergni ilg rep adiug eenil itnatropmi onognetnoc inoizes itneuges eL ocigolana ossergni oiggalbaC azzeruciS 4 olotipaC oludom li erallatsnI .elanac id ortemihcat led enoizarugifnoc id oppurg ingo us cilc oippod eraf ,acifidom al rep irtemarap i erazzilausiv reP .suBTNIOP enalpkcab nu attegorp is odnauq V42 e V5 sub li rep ocitegrene omusnoc id itisiuqer i eraredisnoc oirassecen ¨Ã ,itisiuqer irtsov i onafsiddos irotatnemila id ipit ilauq ereilgecs reP .2 tenrehtE erotattadA .sv arutarepmet B eireS S8BI- 4371 B eireS S8BI-4371 otubirttA ehcificepS C ecidneppA 091 anigaP .tcejorP ni oludom ovouN ereilgecs e teNeciveD eter allus esuom led ortsed etnaslup li noc cilc eraf xigoL enoizattegorP enoizacilppa'lleN .oludom led tupni id enoisiver id oremun li ereilgecs ,enoisiveR ipmac ieN .6 otnup la erassap xob-fo-tuo enoizidnoc ni ¨Ã oludom li idniuQ .BTR'l erevoumir rep ailginam allus erarit e O/I oludom lus BTR ailginam al eraccolbs ,)BTR(elibivomir elanimret esab anu ah oiggatnom id esab al eS .2 xigoLdrauG rellortnoc id ametsis nu ni oludom li erarugifnoC 5 olotipaC 09 anigaP .S8BO-4371 861 azzerucis id aticsu'lled otatS .4 .ilop orttauq a elatigid ortlif nu ad otiuges ¨Ã zH 01 ad olop olos nu a gnisaila-itna ortlif nU elatigid ossergni id ortliF azzerucis id itad e azzerucis id eticsu ,azzerucis id issergnI 2 olotipaC ..... tuptuo id ylbmessA :oirammoS 9 anigaP ..... azzerucis id ocigolana tupni id oludom li eregnuiggA oirammoS 7 anigaP I/O later¹ left. Page 66 Chapter 4 Install the Connected Module Test Device Connecting Schema Pulse Safety Test Pattern Test Output Category Light Curtain Connect the OSSD1 and OSSD2 to I0 and 3 or 4 on the basis of I1 respectively. Download DeviceNet Before downloading, Ã¨ needed online to the DeviceNet network by using RSNetWorx for DeviceNet software. Safety Inputs, Safety Outputs and Safety Data Chapter 2 This bit operation is designed to help prevent erroneous muting instruction faults from the GuardLogix controller. Chapter 8 Replacing POINT Guard I/O Modules The following, simplified example shows Guard I/O¢ÂÂ¢Â modules on a DeviceNet network. To display the parameters for editing, double-click each Channel Safety Configuration group. ¢ÂÂ¢Â POINT Guard I/O does not require separate field-bus power usage, that is, separate power supplies for the 1734-IB8S, 1734-OB8S, 1734-OBV2S, or 1734-IE4S modules. Page 47 Chapter Guidelines for Placing Power Supplies and Modules in a System Power Supply Choosing a Power Supply Power Supply Examples Placing Series A Digital and Analog Modules Choosing a Power Supply The POINTBus¢ÂÂ¢Â backplane includes a 5V communication bus and field power bus that get their power from a communication adapter or expansion power supplies. Install the Module Chapter 4 European Hazardous Location Approval The following applies to products marked II3G: ¢ÂÂ¢Â Are Equipment Group II, Equipment Category 3, and comply with the Essential Health and Safety Requirements relating to the design and construction of such equipment given in Annex II to Directive 2014/34/ EU. Page 79 Chapter Configure the Module in a GuardLogix Controller System Topic Page Set up the Module Add and Configure the Ethernet Bridge Add and Configure the 1734 Ethernet Adapter Add and Configure Safety Digital Input Modules Add and Configure Safety Digital Output Modules Add and Configure Safety Analog Input Modules Values and States of Tags Configure Safety Connections... In the Output Error Latch Time field, enter the time that the module holds an error to make sure that the controller can detect it (0¢ÂÂ¦Â65,530 ms, in increments of 10 ms - default 1000 ms). In the Name field of the New Module dialog box, type a °Â 04 C °Â 02-).ni / w 2(mc / W8,0).ni / w 3(mc / W 2,1 otazzilitu eneiv S4EI-4371 oludom nu odnauq gnignarD ametsis led arutarepmeT - 36 arugiF ehcincet ehcificepS C ECIDNEPPA 891 egaP)F °Â 131(C °Â 55 @ aticsu rep Am0005)F °Â 401(C °Â 04 @ aticsu rep XAM Am007 CD V 8.82 ... 2.91 :2 essalC aticsU ,)ocirac nussen(Am52 ,CD V 8.82 ... 2.91 B eireS ,S8BI-4371 :opmac led aznetoP itnerroc inoizatulav e enoisneT Am521 ,CD V5 :enalpkcaB)f °Â 131(C °Â 55 @ oludom rep xaM a0.2 791 egaP .enoizatsopmi assets al onnah 3 e 2 ilanac e enoizatsopmi ossets ol onnah 1 e 0 ilanac i ,oippod emoc otarugifnoc ¨Ã oludom li odnauQ ... olognis otavresiR :00 ¬â 00 - 10 azzerucis id ocigolana ossergni'lled asuac al eggeL otubirttA teG ecidoC itad enoisnemiD DI otubirttA DI DI DI essalC oizivreS)xeH(atsopsiR)xeH(enoiznuf odnamoC oizivres id opiT)S4EI-4371(azzerucis id ocigolana ossergni id oludoM - 81 allebaT smetsyS xigoL ni iludom ad O / I ocitsongaid otats ol ineittO B XICIDNEPPA 471 egaP .elacol li otazzilausiv eneiv ,enoizarugifnoc al edeissop otrepa ottegorp li odnauQ .odilos otats a azzerucis id erosnes nu otageIloc Ã azzeruciS .ametsis oretni'l rep ilibaciIppa dradnats ilg noc Ätimrofnoc alled amrefnoc alled elibasnopser Ã 61 egaP .2 ... rewoP enoizucese id Ätiladom id erosneS 74 VLES elibivomir ottesrom li eredeV 56 icitamehcs immargaiD 06 BTR 33 icigolana issergnI 811 OHWSR otnemanoisnemidiR 12 enoisreV 351 oludoM teseR 111 avlaS 441 anocI ivitisopsiD 51 erawtfoS teNeciveD rep xroWteNSR kcoL-ytefaS 12 enoisreV 89 godhctaW erawtfos led azzerucis id ÄtivittA 0005 xigoLSSR ecidnI 132 egaP .0I e CD V 42 art etnaslup li eragelloC etnasluP etnasluP azzerucis id tseT azzerucis id tseT enoissennoc id ocitamehcs ammargaid lad ossennoc ovitisopsid led tset led oslupmI .allebat etneuges allen otacidni emoc etanroigga e evoun inoizamrofni eneitnoc elaunam otseuQ ehcifidom eled ogolipeiR 11 egaP .ocigolana ossergni id oludom li rep emoN 55 Â° C (-4 Â° F) (104 Â° F) (131 Â° F) Positioning the A series of digital and analog modules on page 51 for examples. Page 72 Chapter 4 Installation of the module Examples of analog safety input wiring Figure 35 - 2-wire current (4 ... MA) Sensor (SIL2 or SIL 3) 1734-TB 1734-TB Base Signal (s) SIL2 or SIL 3 2-WIRE + 24V cable screen sensor Figure 36 - 3-WIRE Voltage or Tachometer Sensor (SIL 2) 1734-TB Signal terminal bases (V) SIL 2 ... Slip the base Mounting downwards, allowing the lateral interlock pieces to connect the adjacent module, power supply or adapter. This step is optional. Page 155 Replacing the I / O Modules Point Guard Chapter 8 If the project is configured as Ã ¢ â € â € œConfigura only when there is no security signature Ã ¢ â € ™, follow the appropriate instructions given in Table 13 for Replace a Point Guard I / O module based on the scenario. Determine the assemblies you want to connect and set input and security output assemblies using the following tables. It is not necessary to extract the controller from the execution mode to download it in the replacement module. Test interval test test 1734-ib8s series b pfd single channel vs test interval test 1734-ib8s series b - single channel 1,00e-07 1,00E-06 1,00e-05 1.00E-04 1,00E-03 1.00 02 test interval test [Years] Figure 69 - PFD vs. Page 218 Appendix F Assemblies Table 30 - 174-IE4S Input Assemblies (Continued) Instance Connection Bytes High Byte Low decimal (hexadecimal) Type 0, 1 Input 0 Input 0 2, 3 Input 1 Input 1 4, 5 Input 2 Input 2 6, 7 INPUT 3 INPUT 3 BIT 7 ... METHOD Running Data Description Indicates whether the data used are actively updated by a device to one of the following states: Standard Ã ¢ â € ¢ ... 206 Rockwell Automation Publication 1734-UM013J-EN-P - July 2014 Index contactors 16 controller I / O data 27 Control devices 16 Copy configuration signature 129 Security network number 130 Example of cross cable 138 Range of current input 31 Cycle inputs 83 Voltages DC 58 DCA See DCAF dual-channel analog safety instructions See bandwidth Double-channel analogue security 34, tolerance 94 5 Delay time 84 Derating 1734-IB8S 162 1734-IE4S 178 1734-OB8S 163 Status Security device Device Wizard 132 Check 133 DeviceNet DeviceNet architecture 20 compliance testing 179 devices, security 18 diagnostic data 43 digital input 18 modules 77 status indicator 153 digital output 18 status indicator 154 DIN guide 58 key deactivation 75 , 76 download, electrostatic 54 discrepancy defect 94 , 115 discrepancy time 18 , 19 , 27 , 28 , 29 , 83 , 94 door lock switch 16 door monitoring switch 61 download configuration 104 , 124 configuration download 131 - 136 double bass detection inputs 98 dual channel 90 complementary 27 , 29 , 83 complementary 23 discrepancy error 43 discrepancy defect 35 equivalent 23 , 24 , 27 , 28 , 31 , 35 , 83 , 94 , 95 , 115 modes 18 , 19 , 27 , 39 safety contactors 64 wiring 62 , 64 Analog dual channel safety instructions 94 , 96 E EDS See page 13 of this Official Journal. Electronic Datasheet 12 , 106 Electronic Key 88 , 93 Electrostatic discharge 54 Emergency Stop Switch 16 , 61 , 102 Wiring 62 EN 60079-0 52 60079-15 52 enclosure 53 environment 53 equivalent 28 E-stop See EtherNet/IP Emergency Stop Switch Security Architecture 20 Ethernet/IP Module 74 exact match 75 , 76 , 79 , 88 , 93 examples Not performed 13 cable 138 explicit messaging 81 , 85 external media 79 , 88 , 93 F fault detection 99 drop edge 26 , 28 , 39 monitoring 18 reason 101 , 157 recovery 30 , 40 fault detection 29 field connection 59 power supply 46 field power distributor 46 , 47 filter 96 firmware 16 functional verification test 21 G gate monitoring switch cabling 62 generic DeviceNet safety module profile 125 , 126 grounding 58 Logix controller 125 SNN 139 Guardmaster product 16 This manual covers the following products: Page 1 User's Guide Original Instructions Point Guard I/O Safety Modules Numbers 1734-IB8S, 1734-OB8S, 1734-IE4S, 1734-OBV2S... To configure each channel, Click 0, 1, 2 or 3, depending on the case. Page 229 17 Assemblies 215 Status Indicator 166 Signal lines 27 Ã ¢ â € Mounting bracket 57 Assembly base of the input input assembly 138 Assembly 57 1734-IE4S 139 Connect module 59 1734-OB8S 138 Installation 57 Input Configuration Card 89 Installation 57 Input Data 86 ... Page 87 Configure the module in a GuardLogix Controller System Chapter 5 f. Products marked Â¢ â ¬ CL I, Div 2, GP A, B, C, DÂ â¥ AD, B, C, DÂ â ¬ "Are suitable for use in Les Produits MarquÃ ©s Â¢ â Ã No. Required version 1734-IB8S, 1734-OB8S 9 or later 1734-IE4S 10 or later 1734-OVER2S 21 or later Â¢ â¢ Â¢ Software RSLinxÂ®, version 2.51 or later Â¢ â¢ Â.. Chapter 5 Configuring the Module in a GuardLogix Controller System 7. Using an external power supply limits diagnostics and increases susceptibility noise. Dual channel security inputs can be configured as two individual channels. 10. Choose Description None There are no status tags, only data for releases. Page 12 Foreword Notes: Rockwell Automation Publication 1734-UM013N-IT-P - September 2017 ... To determine thereÂ² which Ã¨ appropriate, analyze each security channel. Using a test output with a safety input A test output may be used in combination with a safety input for short circuit, cross channel and fault detection. Follow these guidelines when handling this equipment: Â¢ â¥ Â¢ Touch a grounded object to discharge static potentials. Test exits are not emergency exits. Appendix E Configuration Parameters Notes: Rockwell Automation Publication 1734-UM013N-IT-P - September 2017 ... Configure the module for a SmartGuard Controller Chapter 6 2. Use in conjunction with a security input. Choose Start> Programs> Rockwell Software> RSNETWORX> DeviceNet Node Putting In Service Tool. T1 and T3. Click OK to return to the of the module. The pull-up resistor helps define ascending edges. Page 160 Chapter 8 Replacing the Protection Point I / O modules 1. The Add Security Connection dialog box appears. Chapter 1 Protective point of the protection point I / O Figure 1 - Modules I / O of the protection of the point in Ethernet / IP Safety Architecture GuardLogix Controller Stratix â ¢ Switch Switch Guard I / OÂ ¢ â "¢ guard point I / O and point I / O Safety communication Standard communication Figure 2 - Guard point I / O modules in DeviceNet Safety architectures Guardialogix SmartGuard controller ... Appendix C Specifications Safety Digital Output Module specific attribute 1734-OB8S Series B Safety outputs for module Type of output output output (each output point), max 1 to @ 40 Ã‚Â ° C (104 Ã‚Â ° f) 0.5 a @ 55 Ã‚Â ° C (131 Ã‚Â ° F) 1734-OB8S Series B Temperature Vs. Chapter 2 Security inputs, Safety outputs and double channel safety data, equivalent in equivalent mode, both inputs of a torque must be in the same state (equivalent). Choose Description None Is a connection to the input only module. This setting provides more accurate diagnostics. Page 83 Configure the module in a GuardLogix controller system Chapter 5 c. Appendix B Get the diagnostic status of I / O from modules in Logix systems This sample ladder logic is monitoring the status of the output point 3. Click Reset Properties. Chapter 6 Configuring the module for a SmartGuard controller Complete the configuration of the SmartGuard controller 1. Check the device address on the selected network "â € ™. Remove the cause of the error. Control all the Options. From the Input Input (Input Status) drop-down menu, choose one of the following options. Aggregate current 2.8 A per deceleration module for both horizontal and vertical installations 0.55 to -20 Ã‚Â ° C 40 Ã‚ , Ã ‚Â ° C 55 Ã‚Â ° C (-4 Ã‚Â ° F) (104 Ã‚Â ° F) (131 Ã‚Â ° F) 525 Ãž ... 02: Error of the external test signal 03 : Internal input error 04: Discrepancy error 05: Error in the other double channel input Table 15 - Outputs Testing input module for digital security - 1734-IB8S Service Type Function Command (HEX) Response (HEX) Code of Instance ID class ID service Data size ID ... Page 129 Configure the module for a SmartGuard controller Chapter 6 3. No action is required for the GuardLogix controller to take the property's property. In the New Module Module dialog box Click Change. Cat. Slide the mounting base to allow the side pieces of interlocking to hook the module or adjacent adapter. To order paper copies of technical documentation, contact the local Allen-Bradley distributor or the Rockwell Automation commercial representative. 9. Page 78 Chapter 4 Install the module Figure 47 - Analog safety input wiring for the tachometer sinking sensor 1734-Top3 Sinking sensor terminal bases (NPN type) Metal oxide or resistance to the composition of carbon transistor pull-up transistor Pull-down Edge-to-Edge Time measured here 1734-IE4S with trigger = Falling Edge Figure 48 - Analog safety input wiring for the sensor source sensor 1734-TOP3 Terminal bases ... Page 3 Rockwell Automation Publication 1734 -UM013N-EN-P - September 2017 ... Parameter name Value Description Default input mode Not used External input device not connected. The I / O configuration structure displays the output module. Guidelines for the wiring analog safety inputs Follow these guidelines during the wiring of the analogue safety inputs. Page 207 Safety Data Appendix D Figure 72 - PFD vs. Page 95 Configures the module in a GuardLogix controller system Chapter 5 c. Page 15 Chapter Point Guard I / O Overview Page Introduction Topic Understanding Use Precautions Safety Precautions I / O Modules Point Guard in CIP Safety Systems Application Requirements Use the Point Guard I / OÂ "â ¢ modules security in the Point I / O platform to distribute the security I / O on a safety control network that meets the requirements up to SIL CL3, and PLE, cat. The default multiplier of important timeout 2 and the delay multiplier network 200 create a time limit of Input of the worst case of 4 times the RPI and an output reaction time limit of 3 times the RPI. Specify the general properties of the module. Test Test Interval 1734-IE4S SERIES A Single Channel PFD VS Test Test Interval 1734-IE4S Single Channel Series 1,00E-07 100E-06 1,00E-05 1,00E-04 100E-03 100E-03 Test interval [Years] Figure 67 - PFD vs. The state is normal. Page 86 Chapter 5 Configure the module in a Controller GuardLogix 5. System in the Description field, type a description, if necessary. Inputs and status are read, but are not written output. Right-click the module and select Reset Safety Device. Safety input, security output and safety data Chapter 2 Figure 16 - Pulse Train Falling Edge Rising Edge The ideal train Pulse Falling and Rising Edge is well defined. Page 178 1 Green / yellow power status indicator 8 channel status indicators Switching key positions (left and right) 1734-IB8S: Key 1 = 8 (left); Key 2 = 1 (right) 1734-OB8S: Key 1 = 8 (left); Key 2 = 2 (right) Temporary Code North America ... This action allows more accurate diagnostics. 98 Configure the operation of the analogue safety input channel ..101 to configure the safety analog inputs. Chapter 2 Safety Inputs, Safety Outputs and Safety Data Single Channel Modes If an error is detected, the safety input data and the security input status deactivated. Rockwell Automation Publication 1734-UM013N-EN-P - September 2017 ... Double-click Output Points Test to modify the configuration. Page 131 3Â ¢ â € 9 For each connection, making sure to assign input and output connections. Use the default values for timeout multiplier (2) and network delay multiplier (200). A SNN correspondence error occurs Switch to the next step to reset the module to the Out-of-Box condition. Page 126 Chapter 6 Configure the module for a SmartGuard 5. 216 analog input assembly controller. From the Connection drop-down menu, choose the appropriate connection for Ethernet 1734. Test Test Interval 1734-IB8S Series A PFD VS Test Range 1734-IB8S Series A 1,00E-07 1.00E-06 1,00E-05 1.00E-04 1,00E-03 100E-02 Try Test Interval [Years] Figure 65 - PFD vs. Choose Description Not Used The input is disabled. Page 200 Appendix C Specifications Notes: Rockwell Automation Publication 1734-UM013N-EN-P - - led onrotiR enumoc ovac led omrehcS V42 + ilif 4 a erosneS + ilif 4 a erosneS elanges led erosneS 2 LIS)I(elangeS elanimret led isaB 3poT-4371)2 LIS(ilif 4 a etnerroc id erosneS - 93 arugiF oludom led enoizallatsnI 4 olotipaC 47 egaP .imralla ilg atilibasid o atilibA emralla assab / atla da emrallA otinifederP enoizircseD erolaV emoN ortemaraP .. .02 tseT esluP 701 aticsu id itaD 72 odoireP esluP 79 tuptuo'lled enoizarugifnoc id adehcS 601 tuptuo'lled enoizarugifnoC 601 tnuoC esluP 831 S8BO-4371 41 evitaler ,inoizacilbbuP 831 S8BI-4371 74 enoisnet

assab-artxe enoisneT ottetorP aticsu id oiggalbmessA 02 ilangeS 31 avorp id avorP 52 otatS otatS 801 gaT 64 032 egaP .sissahc ¢Â" .O / I otnup la oludom li egnuigga si ,ottegorp len drauG drauG id azzerucis id elatigid aticsu id oludom nu eredulcni rep azzerucis al arugifnoc e ignuiggA 5 olotipaC xigoLdrauG rellortnoC ametsis nu ni oludom li erarugifnoC .otavelir otats ¨Ã aticsu id otiucric len otsaug nU ... 70-E00.1 lennahC lauD - B eireS S8BO-4371 avorp id ollavretnI avorp id avorP A SV DFP lennahC lauD B seireS S8BO-4371 avorp id avorp a avorp id ollavretnI ... nI eticsu otto el ettut rep atapissid aznetop amissam al e V 8.82 CD oludom led enoizatnemila'l azzilitu is odnauq acilppa is aznetop alled amissam enoizapissid aL)1( ).ni 71.2 x 89,0 x 30.3(mm 55 x 30.3(mm 55 x 52 x 77)areittesrom azneS(.ac ,)DXWXH(inoisnemiD)ZO 2.2(G 4,26 acric ,oseP otallatsni ottesrom id' op nu ad atanimreted euqroT atallatsni elanimret elanimret led enoizator anu ad atanimreted olif led enoisnemiD elanges led etrop elluS - 2 oiggalbac id airogetaC)otrepa elits(anusseN gnitaR myT myT erusolbyT ECIDOC ECIDOC PMET CEI A seireS S8BO-4371 otubirttA ehcificepS C ecidneppA .oludom ovouN eranoizeles e tenrehtE enoissennoc allus esuom led ortsed etnaslup li noc cilc eraF ... A 5.0 inoizallatsnI A 7,0 elacitrev ehc elatnozziro ais gnignarD aticsu id otnuP tset rep elauttA ... 7102 It is common to the same potential. Page 193 Specifications Appendix ATT Attribute 1734-OB8S Series Buscio Buscio B, Operating Voltage Range 19.2Ã ¢ â,¬ | 28.8 V DC, Class 2 Power supply bus (no load), Max 50 mA indicators 1 Yellow lock status indicator 1 Green / yellow power status Indicator 8 Channel status indicators I / O KeySwitch positions (left and right) right) 1 = 8 (left); ... your products may differ, but the function is the same. Select Generic DeviceNet Safety Module and click Create. Mission time for all modules is 20 years. If you click Next without selecting a device to be verified, the Verify wizard if the devices have been verified or are ready to be blocked in this execution of the wizard. Page 149 Chapter Replacing I / O Modules Point Guard Page Page The number of the security network Setting the safety network number Setting a module on a preconfigured condition Replacing a module in a GuardLogix system on an Ethernet / IP network Replacing a form When using a SmartGuard or GuardLogix controller on a DeviceNet network This chapter provides information on replacing I / O Point Guardâ "â ¢ .... from the Input Error Lock Time field, enter the time the form It contains an error to make sure the controller can detect it (0Ã ¢ â € 65.530 ms, in increments of 10 ms - default 1000 ms). Page 134 Chapter 6 Configure the Module for a SmartGuard Controller Note: Rockwell Automation Publication 1734-UM013N-en-P - September 2017 ... Page 104 Chapter 5 Configure the module in a GuardLogix controller system to configure alarms for each channel of Analog safety input, follow these steps. Signal under interval under configured interval. Page 204 (2) Average time to failure (Spurious). Keep these points in mind: Ã ¢ â € ¢ When power is applied to the 1734-IB8S and T1 or T3 module remains off, the deactivation status is automatically set to ON. Assign the type of point operation. Appendix and configuration parameters Table 23 - Test output parameters Parameter name Description Default test output mode does not oludom oludom li e eter al eracifireV .iludom i erallortnoc non am ,dradnats ilatigid O/I itad i olos eracifirev o ereggeL otlocsa oloS enoizircseD ereilgecS .acilppA us cilc eraF .oludom ovouN ereilgecs e xxA-6571 ,6571 enalpkcaB us esuom led ortsed etnaslup li noc cilc eraf ,O/I enoizarugifnoC arutturts allaD .otagelloc ¨Ã non onretse ovitisopsid nU Module Configuration If, after downloading the program, the MS and NS status indicators on the POINT Guard I/O module are not both solid green, a loss of ownership potentially occurred. From RSLinx software, open RSWho and select the SmartGuard driver. Page 176 Appendix B Get I/O Diagnostic Status from Modules in Logix Systems Notes: Rockwell Automation Publication 1734-UM013N-EN-P - September 2017... Page 226 Appendix F I/O Assemblies Notes: Rockwell Automation Publication 1734-UM013N-EN-P - September 2017... To add a safety connection, from the Connection Name pull-down menu, choose one of these options. Table 1 - Requirements for Controlling Devices Device Requirement Allen-BradleyÃ®Â Bulletin Safety Components Emergency stop switches Use approved devices with direct opening mechanisms that comply with IEC/EN Bulletin 800F, 800T 60947-5-1. Page 113 Chapter Configure the Module for a SmartGuard Controller Topic Page Before You Begin Set the Node Address Auto-addressing with a 1734-PDN Adapter Set Up Your DeviceNet Network Configure the POINT Guard I/O Modules Configure the SmartGuard Controller Save and Download Module Configuration This chapter provides information about how to configure a SmartGuard¢ÃÂ¢Â... Page 48 Chapter 3 Guidelines for Placing Power Supplies and Modules in a System Follow the safety precautions that are listed in Chapter 1 and the wiring guidelines that are described in Chapter 4 before connecting a power supply to the system. Safety Inputs, Safety Outputs and Safety Data Chapter 2 Dual-channel Mode and Discrepancy Time To support dual-channel safety devices, the consistency between signals on two channels can be evaluated. Not Used Standard The output is connected to a standard device. Page 162 Chapter 8 Replacing POINT Guard I/O Modules 6. For eight terminal connections, either the 1734-TOP or 1734-TB terminal base can be used. ¢ÃÂÂ... From the 1752-L24BBB dialog box, click Apply and then OK Accept the connection. Page 232 Index Index to use 16 Switch verification reports Port lock 16 Fault report 147 Port monitoring 65 Security device verification wizard 147 Emergency stop 109 Check port monitoring 67 ¢ â € â € â € The configuration DeviceNet Safety 143 Limit 16 Error 147 System Reaction Time 22 Select devices 145 failed verification 145 non-supported verification 145 ... Network 1. 6. Security data Appendix D Serie B Safety data Figure 68 - PFD vs . The equipment should not be used outside this interval. In the Select Module Type dialog box, select Security (Safety) and Allen-Bradley. Ã ¢ â € ¢ ... Configure the module for a SmartGuard controller Chapter 6 5. Configuration assembly See the appropriate table for configuration assembly data 1734-IB8S, 1734-OB8S and 1734-IE4S. A password can help protect the configuration information of the modules. Remove the old I / O module and install the new module. Install the module Chapter 4 Double-channel security contactors This example shows the wiring and controller configuration when using a 1734-OB8S Digital Point Guard module with redundant safety contactors. To add the I / O Point Guard security input module, follow these steps. Automatic addressing with a sequential automatic addressing, the address of the more left node is configured and a parameter is set to this module to automatically assign addresses to the nodes that the 1734-PDN adapter resides to the right of the module. 1. test interval test 1734-ie4s double channel series pfd vs test interval test 1734-ie4s double channel series 1.00e-07 1.00e-06 ... This dead band allows the alarm status bit of to remain set, despite the disappearance of the alarm condition, as long as the data remains within the dead band of the process alarm. Parameter Name Value Description Default channel type Individual inputs are treated as single channels. Page 139 Configuring Security Connections between a GuardLogix Controller and Point Guard I/O Modules on a DeviceNet DeviceNet Network 7 Table 11 - 1734-IE4S Input Assembly Security Input Connection Input Assembly Security Input Assembly Size Input Number Output Security + Status 402 (192h) 199 (C7h) Security + Status + Alarms... When configuring the leftmost module¹, set the sequential auto address to Ã ④ ÂÂSequential address Ã ④ ÂÂ . Page 4 Rockwell Automation Publication 1734-UM013N-EN-P - September 2017... When using a form, always follow these guidelines. Right-click the POINT I/O chassis and select New Module. Chapter 4 Install the Precautions module Follow these precautions for use. Set up an offset when differences in the nominal sensor input signals would otherwise exceed the desired dead band. Page 195 Specifications Appendix C Table 20 - Security Digital Output Module Specifications 1734-OBV2S (continuous) Attribute value Power Dissipation, max 3.1 W Thermal Dissipation, max 10.59 BTU/h Power Dissipation, typical 2.2 W Insulation Voltage 50V (continuous), Basic isolation type between field side and system No isolation between single channels Type tested at 500V AC for 60 s channel channel. Page 211 Appendix Configuration Parameters Topic Page Table 22 Security Digital Input Parameters Table 23 Test Output Parameters Table 24 Security Digital Output Parameters Table 25 Security Analog Input Parameters This appendix lists the parameters that can be configured through the Logix Designer application. Install the module Chapter 4 Remove a mounting base To remove a mounting base, Ã¨ you must remove all installed modules and the module installed in the base to the right. Modules 1734-IE4S, 1734-IB8S Series B and 1734-OB8S Series B are certified to meet the following requirements: EN14459 and EN13611 (suitable for use in electronic Group C-Class Burner 1). Chapter 6 Configure the module for a SmartGuard controller Configure DeviceNet before designing a project with the RSNetWorX software for DeviceNet, follow these steps procedure noitacifireV eciveD ytefaS eht gninnur erofeB noitarugifnoC ytefaS teNeciveD ruoY yfireV 7 retpahC krowteN teNeciveD a no seludoM O/I drauG TNIOP dna rellortnoC xigoLdrauG a neewteb snoitcennoC ytefaS gnirugifnoC 341 egaP .seludom eht evoba ecnaraelc seludoM).ni 2(mc 80.5 fo muminim a edivorp DNA, C Xidneppa Ni Detset SA, SGNITAR ErTUTEPMET GNITAREPO DEIFEPS RIEHT HTIW ECNADROCCA NI SELUDOM LLATSNI SYAWLA LATIGID B SEIRES GNICALP METSYS A NI SELUDOM DNA SEILPPUS REWOP GNICALP ROF SENILEDUG 3 RETPAHC ... Ã ¢ Ã ¢ enihcamâ~â € Ã ¢ EHT Fo Lasopsid DNA, ECNAnnetniam, NITASED EHT NIFAS ERUCES OT ELBISNOPSER DNA, DEFREIROHTUA, DEIFILAUQ SI OHW NOSREP NAEM OT ROTARTSINIMDA YTEFAS ESU EW, LAUNAM SIHT NI .LANIGIRO SEHCTAM DIECIVED EHT, YLTCERROCO Oiranecs EHT NI SPETS EHT DELPELPMOC EVAH UOY ECNO .SNOITPO GNIWOLLOF EHT MORF DOHTEM GNIYEK ETAIRPORPPA EHT ESOOHC, UNEM NWOD-LLUP GNIYEK CINORTCELE EHT MORF .DEUGINOC GNIEB SI ELUDOM RO, FFO SI TUPTUO Ytefas 7º | tcA dednemmoceR noitpircseD rotacidnI sutatS tuptuO ytefaS S8BO-4371 A xidneppA srotacidnI .sdradnats dna ,swal ,sedoc elbacilppa lla fo stnemeriuqer ot noitidda ni snoitcurtsni gniriw dna noitallatsni htiw sevlesmeht ezirailimaf ot deriuqer era sresU .puorg eht ni thgir sti ot seludom eht fo tser eht secneuqes eludom ehT .noitcurtsni etubirttA dleiF tiB a dna noitcurtsni evoM a gnisu yb atad eht gnitrevnoc rof eliforP dohtem eno swohs elpmaxe gniwollof ehT .bat noitarugifnoC ytefaS eht kcilC ...01.0 10.0)zH(ycneuqerF zH 5 = retliF htiw tupnI tnerruC fo esnopseR ycneuqerF - 55 erugiF Bd 2.27- = noituloser CDA 00.00001 00.0001 00.001 00.01 00.1 01.0 10.0)zH(ycneuqerF zH 1 = retliF htiw tupnI tnerruC fo esnopseR ycneuqerF - 45 erugiF snoitacificepS C xidneppA 481 egaP .gniwollof eht morf esoohc ,unem nwod-llup sutatS TUPNI EHT MORF .ETEER KCILC DNA TSIL EHT MORF ELUDOM TENREHTE at ESOOHC .SV DFP - 66 ERUGIF D XIDNEPPA Atad Ytefas 302 Egap You need to navigate and load the network and test security devices and all their network security features to verify that they are working properly. Chapter 2 Safety Inputs, Safety Outputs and Safety Data Overfrequency Bit Operation When the frequency exceeds 1 kHz, the module shows a data value of 1 kHz, sets the Overfrequency status bit to 0 and hooks it. Table 31 - Configuration assemblies for output modules 1734-OB8S Instance output modules Byte Field Class (HEX) Field class ... Combined state - Ã ¢ â,¬ Ã ¢ ... from the Electronic drop-down menu Keying, select the appropriate key method for the input module. Page 27 Chapter 2 Figure 5 - Pulse test in a cycle for the 1734-IB8S module, the impulse width (X) is generally 525 Î¼s; The impulse period (y) is generally 144 ms. The pull-down resistor helps define the falling edges. Click OK again to apply the changes. Page 53 Chapter Install the Topic Module Precautions Install the mounting base Connect the module to the mounting base Connect the removable terminal block remove a mounting module cable modules Connection Details Details Wiring examples Figure 25 - Watch point I / O. " Â ¢ Slide-in modules Writable Label module locking mechanism ... Safety inputs, safety outputs and safety data Chapter 2 When a channel is configured for the power module sensor, a sensor power diagnostics is performed On that channel at the PowerUp. This bit status is not always the real indication of a burnt lamp. Page 85 Configure the module in a GuardLogix controller system Chapter 5 4. All security input channels of 1734-IB8S and all 1734-OB8S security output channels must use pulse tests if used in Functional safety. Replacing the I / O module Protection point Chapter 8 Replace a module when replacing an I / O module when the module and controller are on a DeviceNet network, follow these steps. Configure the module for a SmartGuard controller Chapter 6 Save and discharge form We recommend it after a one O/I teG xidneppA .b metsyS rellortnoC xigoLdrauG a ni eludoM eht erugifnoC 5 retpahC .3 metsyS rellortnoC xigoLdrauG a ni eludoM eht erugifnoC 5 retpahC 601 egaP ...ytefaS 0 lanimreT tupnI eciveD lanretxE 0 tuptuO tseT noitarepO lamroN)elacS ot toN(noitceteD tluaF dna noitarepO lamroN - 7 erugiF . ataD sutatS O/I latigiD 54.......... ataD sutatS O/I 44......)S8BI-4371(noitarepO pmaL gnituM stnetnoC fo elbaT 6 egaP .etats feht sa denifed si stupudo eht fo etats eht Â ÂÂÃ¢ :NOITNETTA seludoM O/I latigiD drauG TNIOP setatS efaS ataD sutatS O/I)S8BI-4371(noitarepO pmaL gnituM)S2VBO-4371 dna S8BO-4371(stuptuO ytefaS)S4EI-4371(stupnI golanA ytefaS)S8BI-4371(stupnI ytefaS setatS efaS egaP 52 egaP .taC 731 egaP .tnelavique lennahc-laud ro lennahc-elgnis :epyt tupni rof dna retemohcat ,egatlov ,tnerruc rof derugifnoc eb nac slennahc tupni-golana ytefaS stupnI golanA ytefaS 2 retpahC ataD ytefaS dna stuptuO ytefaS ,stupnI ytefaS .sgat sutats on era erehT enon noitpircseD esoohC .stupnI ytefaS lennahC lauD fo grq puelcae kcilc-kcilc buod ,gnitide rof sretemarap eht yalpsid ot .noitces egassem eht ni noitamrofni rof kooL .renwo noitarugifnoc eht fo rebmun tols ro sserdda edon dna ,)NNS(rebmun krowten ytefas eht htiw gnola ,deyalpsid si etomeR ,noitarugifnoc eht snwo ecived dnoces a nehW .dehsilbatse was snotub krowten eht fo etar netacinummoc eht deifitnedi eludom ehT ...7102 rebmetpeS - P-NE-N310MU-4371 noitacilbuP noitamotuA llewkcoR :setoN weivrevO/I drauG TNIOP 1 retpahC 42 egaP ...7102 rebmetpeS - P-NE-N3311111 371 noitacilbuP noitamotuA llewkcoR lennahC lauD B seireS S2VBO-4371 lavretnI tseT forP .8 ...eht erugifnoc ot gnitpmetta elihw tumcco retemaraP noitarugifnoC dilavnIÂÂÂÂ¢ egassem rorre eht ,321 egap no stupnI golanA ytefaS erugifnoC ni dnuof TNATROPMI selbat retemarap eht ni seniledug noitarugifnoc eht dewollof ton evah uoy fI noitarugifnoC krow y evas uoy derugifnoc si Status from Modules In Logix Systems Topic MESSAGE INSTRUCTIONS Page Configure instruction, instance, and attribute class data for I/O modules You can use the message instructions in a Logix system to determine the cause of the entry point or exit point failures. A test source on the point guard I/O module should be used as a 24V source for this circuit. Once the download is complete successfully, the main project view displays this message: Ã Â"The device at Ã¨ was downloaded. Click Browse. Page 220 Security Output 1 Mode of the channel Security output 2 Mode channel Safety power 3 Mode channel Dual Channel Safety Out0 Mode Dual Channel Security Safety OUT1 Table 33 - Configuration Assemblies for Input Modules 1734-IB8S Instance Input Modules Byte Field Class (Hexagonal) Field Class Used in combination with programs in a security controller, this harness Ã¨ security category 4 (emergency stop button) and security category 3 (gate monitoring switch). Page 62 Chapter 4 Install the CAUTION module: WAILE I/O POINT GUARD I/O modules so that the 24 V DC line does not touch the emergency exits accidentally or unintentionally. Figure 26 - Field Connections 1734-IB8S 1734-Top and 1734-TB bases shown where: T0 = Test Output 0 T1M = Test Output 1 With Muting ... Click OK 7. From the Properties dialog box of the form, click the Security tab. Configure digital security inputs to configure digital security inputs, follow this procedure. Configure the module in a GuardLogix Controller System Chapter 5 Configure security to configure the module security input connection, follow the procedure. Page 170 Appendix A Indicators Note: Rockwell Automation Publication 1734-UM013N-IT-P-P - September 2017 ... monitor which mounting base is installed left and right of each module. Click Apply and OK to return to the main RSNetWorx for DeviceNet dialog box. Position the mounting base as shown in the illustration below Step 2. Trigger Test for Safety Pulse Test on this input circuit. Note that the connections for the 1734-IB8S module have 2 bytes. Page 88 Chapter 5 Configure the Module in a GuardLogix g controller system. Using a SmartGuard or GuardLogix Controller on a 1. Page 201 Appendix Safety Data This appendix lists the calculated values for probability on demand (PFD), the probability of of failure per hour (PFH) and mean time of failure (MTTF). Immunity ESD IEC 61000-4-2: 4 kV contact discharges (B series 1734-IB8S and B series 1734-OB8S, B series 1734-OBV2S only) 6 kV contact discharges (A series 1734-IB8S; 1734-OB8S, Series A; and 1734-IE4S) 8 kV air discharge (all modules) ImmunityÃ Radiated RF IEC 61000-4-3: 10V/m with 1 kHz sinusoidal 80% AM from 80Ã ④ Â2000 MHz... Page 8 1734-IE4S Safety Analog Input Status ......168 State Security Entry 1734-IB8S....... You can add individual security connections for inputs and outputs. Page 142 Chapter 7 Configuring Security Connections between a GuardLogix Controller and Point Guard I/O Modules on a DeviceNet 7 Network. To open the Security Network Number dialog box, click to the right of the Security Network Number. WARNING: This equipment is certified for use only within the surrounding air temperature range of -20ÃÂ55 ÂÂ°C (-4ÃÂ131 ÂÂ°F). Calculated probability values on-demand failure and probability per hour are given in the table. DeviceNet Network 2. Configure security connections between a GuardLogix controller and point guard I/O modules in a DeviceNet Network Chapter 7 Select devices to verify Choose devices to verify using the check boxes in the Verify column of the Verify Security Device Configuration dialog box. Pulse Test Ã connected a contact output device. Install the Chapter 4 Preventing electrostatic discharge ATTENTION: This equipment is sensitive to electrostatic discharge, which can cause internal damage and affect normal operation. Page 73 Install the module Chapter 4 Figure Figure Figure azzerucis id iludoM 532 anigaP .3 xigoLdrauG rellortnoc id ametsis nu ni oludom li erarugifnoC 5 olotipaC 49 anigaP .atudac ni o asecsa ni odrob lus islupmi ilg eratnoc onoved oludom led ilanac i es eracidni rep reggirt li erarugifnoC .ilanac i ibmartne rep onavittasid is elaudividni azzerucis id aticsu id otats ol e azzerucis id itad i ,elanac nu us erorre nu otavelir eneiv es Â¢Ã0S nommoC ylppuS = MOC 3 Â¢Ã0 itnerroc tupnI = 3i Â¢Ã0I 3Â¢Ã0 enoisnet id tupnI = 3VÃÃ0V :evoD atartsom esaB 3POT-4371 snoitcennoC dleiF S4EI-4371 - 92 arugiF oludom li erallatsnI 4 olotipaC 46 anigaP .itneserp onais non elanac-elanac inicnolatnap i ehc e etnerroc-ottos o etnerrocarvos onaggart non irosnes i ehc israrucissa rep atazzilitu eneiv acitsongaid aL .azzerucis ni otaccolb eresse rep otnorp ovitisopsid ingo rep accolB annoloc allen ollortnoc id allesac al odnanoizeles azzerucis ni eraccolb da ivitisopsid i ereilgecS .otuniM la adnamoD 1 noc Â¢Ã setaR dnameD noc o cesm 006 ¥Â Â¢Ã semiT ytefaS ssecorP noc elanoiznuf azzerucis id inoizacilppa rep olos atacifitrec ¨Ã S8BO-4371 olognis elanac a Ãtiladom aL)2(.enoizarugifnoc al e eracirac e eravlas id ailgisnoc is ,oludom nu otarugifnoc reva opoD oludom li eracirac e eravlaS 5 olotipaC xigoLdrauG rellortnoc ametsis nu ni oludom li erarugifnoC ...xam ,)eralopib aippoc ingo(aticsu ni etnerroC iralopib eippoc etnerroC otnemadnoffA/gnicruos etnerroC opit aticsU)iralopib eippoc 2(4 oludom rep tuptuO azzeruciS erolaV otubirttA S2VBO-4371 ehcificepS eludoM tuptuO latigiD azzeruciS - 02 allebaT S2VBO-4371 ehcificepS .ottor ¨Ã ovac li odnauq ,oipmese da ,etneserp ¨Ã non elanges li odnauq elanges led ollevil led irouf id la eresse onoved enoizacilppa'l rep otnemanoiznuf li rep elanges led illevil i ,etnerroc id aticsu id icigolana irosnes Am 02Â¢Ã0 reP ovac led oducS V42+ ilif 3 a elanges led onrotir id erosneS 2 LIS)I(elangeS BT-4371 elanimret esaB)2 LIS(ilif 3 a etnerroc id erosneS - Point Guard User's Guide... To change the default value (1000 ms), if necessary, double-click Output Error Time. Page 187 Specifications Appendix C Figure 60 - Frequency Response of Voltage Input with Filter = 10 Hz Frequency (Hz) 0.01 0.10 1.00 10.00 100.00 1000.00 10000.00 ADC resolution = -72.2 dB Figure 61 - Frequency Response of Voltage Input with Filter = 50 Hz Frequency (Hz) 0.01 0.10... Chapter 4 Install the Module Single-channel Safety Contactor This example shows wiring and controller configuration when using a 1734-OB8S digital POINT Guard I/O module with one safety contactor. Configure the Module in a GuardLogix Controller System Chapter 5 4. Page 77 Install the Module Chapter 4 In the following two examples, the negative terminal of the sensor power supply and that of the 1734 terminal base COMMON must be at the same potential. Page 5 Safety Inputs (1734-IB8S) .... (2) If you are using digital POINT Guard I/O modules with the analog POINT Guard I/O module, you must update the Add-on Profiles to version 2.02.004 or later for the modules to be compatible with version 18 or later of RSLogix 5000 software and the Studio... ¢ÃÂ¢Â POINT Guard I/O does not require separate POINTBus (communication) power-supply usage, which separates it from any other POINT I/O modules, except when additional POINTBus power is required. Page 112 Chapter 5 Configure the Module in a GuardLogix Controller System Notes: Rockwell Automation Publication 1734-UM013N-EN-P - September 2017... environnements dangereux. In the Select Modules dialog box, check Communication and Allen-BradleyÃ®Â. certification/overview.page You can view or download publications at . Configure the Module in a GuardLogix Controller System Chapter 5 6. Yellow Safety output is on. From the Module Number pull-down menu, choose a unique module number that corresponds to the position of the module in the chassis. To display parameters for editing, double-click each Engineering Units Alarms group. Page 100 Chapter 5 The module in a GuardLogix c controller system. This action removes and replaces the base as needed It does not remove any of the wiring. Configure analog security inputs To configure a 1734-IE4S module, follow these steps. Guidelines for Placing Power Supplies and Modules in a System Chapter 3 Placement of the A Digital Series and Always Install Modules in Compliance with the specific operating temperature assessments as listed in the Appendix and provide a minimum of 5,08 cm (2 in.) Analog modules above modules. Security inputs (1734-IB8S) Security inputs are used to monitor security input devices. b. . Â¢ â¥ Â¢ 1 Hz (recommended for the speedometer) Â¢ â¥ Â¢ ... Right-click the I/O Guard Point Guard module and select Add Connection. Install the module Chapter 4 Connection Details See tables showing input device connection methods and their security categories. When the speed input power¨ greater than 30 Hz, the Ã¨ solid yellow status indicator. Click the online icon again to go offline. Pt. Configure the module in a GuardLogix Controller System Chapter 5 6. Configure an input filter. Chapter 3 Guidelines for placing power supplies and modules in a system EXAMPLE 2: POINT GUARD I/O Used with AC I/O modules This power example uses 1734 EP24DC expansion and 1734-EPAC expansion power supply to illustrate the mixing of the standard I/O point and I/O safety point protection modules, while creating a separate power group for the AC I/O modules. Configure the module in a Controller GuardLogix System Chapter 5 Configure the function of the Ã speedometer only the module can be configured to operate the whether the module definition includes exit data for the safety speedometer. Figure 33 - 1734-OVER2S Dual Security Security Cabling Security Output - PLE 1734-EVER2S 1734-IB8S Controller Parameter Name Parameter Configuration Configuration Configuration Configuration ... Reserved reserved power on (1) 0 = Failure; 1 = within range. Page 183 SPECIFICATIONS APPENDIX APPENDIX C SEPPO MODULE FILTER RESPONSE AND RESPONSE OF 1734-IE4S 1734-IE4S ilged ollortnoC ¢Â ¬â ¢Ã + azzeruciS]ni[azzerucis id issergni ilged azzerucis alled ollortnoC]ni[enoizircsed al ereilgecS .osu'l rep ametsis li erazzirotua rep e ametsis li e otiutitsos O / I oludom li eratset rep Ãteicos allad ettircserp erudecorp el eriugeS .erutaihccerappa el erallecnac rep ottuicsa ocitatsitna onnap odibrom nu olos erazzilitu :enoiznettA .ocirttele ocra nu isracifirev ²Ãup ,atacilppa aznetoP opmac led otal li noc)BTR(elibivomir areittesrom al agellocs o agelloc is odnauq :aznetrevvA ... onusseN).erarotinom rep itazzilitu onognev rellortnoc irtla ilg e erallortnoc rep otazzilitu eneiv rellortnoc nu ,rellortnoc ¹Ãip id enopsid is odnauq(... 0 aticsU / ossergnI enoizarugifnoC enoizarugifnoC enoizarugifnoC eter id enoizarugifnoC eter id oludoM otnemanoizisop id oludoM irotacidnI - 15 arugiF azzerucis id aticsu'lled otatS S8BO-4371 azzerucis id tupni id otatS S8BI-4371 ocigolana ossergni'lled otatS azzerucis id otatS S4EI-4371 erosnes led aznetoP S4EI-4371 aznetoP occolB enoizarugifnoC eter alled otatS oludoM anigaP oludoM otnemogrA irotacidnI 561 egaP .itacifirev eresse onossop ivitisopsid I es eranimreted rep eter allus ivitisopsid ied azzerucis id otats ol allortnoc ,eter allus agivan azzerucis id ovitisopsid led acifirev id atadiug arudecorp al odnauq itacifirev eresse onossop ivitisopsid i es onanimreted teNeciveD eter anu us xigoLdrauG drauG alled O / I iludom i e xigoLdrauG rellortnoc nu art azzerucis id itnemagelloc ied enoizarugifnoC 7 olotipaC .ilanac i ibmartne rep engeps is elaudividni azzerucis id tupni'lled otats ol e azzerucis id ossergni id itad i ,)sm 01 id itnemercni ni sm 035.550(otarugifnoc aznapercsid id opmet li onarepus ilanac I li art aznapercsid anu id azzehgnul al eS ... zH 86.0 sm 054 ~ zH 1 zH 26.2 sm 521 ~ zH 5 zH 57.4 sm 27 ~ zH 01 zH 2.01 sm 52 ~ zH 05 Bd 3-eralogna azneuqerf alled %36 la ossap led atsopsir alled enoizatsopmI Safety Combined Status - Muting Ã ¢ â,¬ â ¢ DVICENET Version Software (Ethernet / IP Network) Version (DeviceNet Network) 1734-IB8S, 1734-OB8S 1734-EVER2S 1734-IE4S (1) This version or later. Choose Description Exactly combines all the parameters must match or the inserted module rejects a connection to the controller. Therefore, it is possible to use 24V DC or 5V DC encoder sensors, for example. In in HTIW NEXWO ... CD AM 5.3, V5, V5, V5, V5, V5, V53â am 53, v53â € ¢ ibnnnikis TNERRRRUP EPY REP STUT A A Seires S8bi -4371 etubirttA seludoM A seireS snoitacificepS eludoM tupnI latigiD ytefaS rof snoitacificepS lacinhceT sdradnatS snoitacifitreC snoitacificepS latnemnorivnE S2VBO-4371 snoitacificepS eludoM tuptuO latigiD ytefaS ...541 noitacifirev 441 draziW noitacifireV eciveD ytefaS elpmaxe sutats ecived 18 hctam tcaxe 971 S8BO-4371 08 eludom 891 S4EI -4371 PI / Tenrihte 871 s8bi-4371 22 Emithiccra ytfas 19 Emitared EES 73 Emit 03 822 Emala EEES. , DNA Sutats Tniop Site Reutal siht .Yrtiefric bush dnae gniruo cbsi dnaphere tbset dnatrett i tcatnoc bush NEHW .NUTUM ESUSH STUSNUO D NA STUPNI YTEFAS ERAT ERUGIFNOC NAC UOY, BAT NEARS ESHAGE NO ERTACID SHI ROTACID) SN (ESH Taht YFInified-well tone Era Segde Gnillaf .Yeldarb-Nella DNA Likiid Kchc, hob boxing elude TCELES ESPAS NITEFAS NITEFAS 602 ESAFAS Detluaf NeitChennoc 0: Etats Eldam Nur â нади 1: ¢ â € ¢ € ¢ € ¢ € ¢ € ¢ ﻣﺎc о ХАН делесноек сетметноС XigiolDrack A Non Edudom ESH A ESHItug 5 ERUGIFNOC 5 ERUGAHC 801 7102 Rebmtpes - P-NE-N30MU-4371 Nitamocilbap Llwaskor: Seton Atad Tunatti 012 EDUP .Inmecric HCAE EDULC Peludom ESAnt, ATAD ETATS O / I A / I Security controller programs, this circuit configuration is the safety category 2. 5. Chapter 6 Configure the module for a SmartGuard controller 6. Page 125 Configure the module for a SmartGuard controller Chapter 6 4. Replacement with Ã ¢ Â, ¬ Â "Configure always enabled Attention: enables Ã, â,¬ Ã, Â« Configure ... in the field of the series, choose the letter input series letter. Replacing the protection point I / O modules Chapter 8 3. From the Properties dialog of the module, click the Alarm tab. Apply power to this connector. Page 117 Configure the module for a SmartGuard controller Chapter 6 A. Chapter 1 Overview of the I / O point guard system fixing overview To protect access to [Device] Only authorized users, consider these options: Ã ¢ Â, ¬ â ¢ Password Protect the source and execution of the control program Ã ¢ â,¬ â ¢ Remove the key from the controller Ã ¢ â,¬ â ¢ ... Click the Connection tab. Configuration parameters Appendix and Table 25 - Safety Analog input parameters (continued) Parameter name Value Description Type of operation of the default input point Single channel as a single channel. Ã ¢ â,¬ â ¢ Never use the test outputs as safety outputs. This configuration does not affect the impulse tests because it is managed on the basis of individual channels. Page 121 Configure the module for a SmartGuard controller Chapter 6 Parameter name Value Description Description of security input Default Test source None The test output used with the input. If used in combination with security controller programs, this circuit configuration is the safety category 4. Click Paste. Green solid the module works normally. Page 127 Configure the module for a SmartGuard controller 6 6. Chapter 4 Install the module Connect the removable terminal block if a removable terminal board (RTB) is supplied with the base assembly assembly, you need to remove it by pulling up on the RTB handle. Replace the module and match the number of the original module node. Safety inputs, safety outputs and e Data Chapter 2 Dual-channel, complementary in complementary, the inputs of a couple must be in the opposite (complementary) state. Page 82 Chapter 5 Configure the module in a GuardLogix 4 controller system. PFD and PFH calculations comply with IEC61508, Edition 2, 2010. Additional bipolar security outputs These examples show how to connect a 1734-OVER2S output module with an input module to meet the PLE and PLD security requirements. Byte Bit 7 bit 6 bit 5 bit 4 bit 3 bit 2 bit 1 bit 0 (hexagonal) Type 33 (21 h) 1734-IB8S STANDARD Standard Standard Standard Standard Standard Output 3 Output 2 Output 1 Output 0 564 (234 h) Page 217 Assemblies I / O Appendix F Table 30 - 1734-IE4S Input Assemblies (continued) 0, 1 Input 0 Input 0 2, 3 Input 1 Input 1 4, 5 Input 2 Input 2 Security 02 (192h) 6, 7 Input 3 Standard 7-bit 3-bit input 6 ... Page 114 Configure the module for a SmartGuard controller Before you begin Confirm that you have these required items: Ã¢ â¥ Â¢ rsnetworx for DeviceNet Gatto software. Chapter 8 Replacing the Point Guard I/O Modules Using the Logix Designer Application When the Logix Designer Ã¨ online application, the Security tab of the Properties dialog box of the module displays the property configuration. Page 130 Chapter 6 Configure the module for a SmartGuard 4 controller. Ã¢ â¥ "Power (24V) can² be supplied to devices, such as security sensors. B. Page 221 Assemblies I / O APPENDIX F Table 34 - Configuration Assemblies for 1734-IE4S Instance Input Modules Decimal Byte Field Class Class Attribute Description (HEX) (decimal) (decimal) 864 (360 h) Input Type (dual Modality) Channel) Input Range Input Range Mode Input Range of the channel Filter setting Input error Stopping time (low Input Error Hold Time (High Byte) Low Engineering (Low Byte) Page 222 APPENDIX F I / O Table 34 - Configuration Assemblies for Input Modules 1734-IE4S (Continuous) Decimal Instance Byte Field Class Attribute Description (HEX) (Decimal) 864 (360 (360) Input Type (Dual Channel Mode) Input Range Input Channel Mode Filter Setting Input Error Latch Time (Low Byte) Input Error Latch Time (High Byte) Low Engineering (Low Byte) Page 223 I/O Assemblies Appendix F Table 34 - Configuration Assemblies for 1734-IE4S Input Modules (continued) Instance Decimal Byte Field Class Instance Attribute Description (hex) (hex) (decimal) (decimal) 864 (360 h) Input Type (Dual Channel Mode) Input Range Input Channel Mode Filter Setting Input Error Latch Time (Low Byte) Input Error Latch Time (High Byte) Low Engineering (Low Byte) Page 224 Appendix F I/O Assemblies Table 34 - Configuration Assemblies for 1734-IE4S Input Modules (continued) Instance Decimal Byte Field Class Instance Attribute Description (hex) (hex) (decimal) (decimal) 864 (360 h) Input Type (Dual Channel Mode) Input Range Input Channel Mode Filter Setting Input Error Latch Time (Low Byte) Input Error Latch Time (High Byte) Low Engineering (Low Byte) I/O Assemblies Appendix F Using Data from Modules To use I/O assembly data from a 1734-IE4S module that is configured via the Generic Profile in your application program, you must first combine the input Configured Via the Generic data from two SINTs into one INT. Page 185 Specifications Appendix C Figure 56 - Frequency Response of Current Input with Filter = 10 Hz Frequency (Hz) 0.01 0.10 1.00 10.00 100.00 1000.00 10000.00 ADC resolution = -72.2 dB Figure 57 - Frequency Response of Current Input with Filter = 50 Hz Frequency (Hz) 0.01 0.10... Chapter 4 Install the Module North American Hazardous Location Approval The following information applies when operating this Informations sur l¢ÃÂÂutilisation de cet Ã©quipement en equipment in hazardous locations. Configure the general properties of the Digital Output Modules module, and configure the digital outputs as described in the following sections. Verify that the Network Status (NS) status indicator is alternating red/ green oippod eraF .cnI ,noitamotuA llewkcoR id itartsiger ihcram onos rengiseD xigoL 0005 oidutS e 0005 oidutS ,drauGtramS ,xroWteNSR ,0005 xigoLSR ,xniLSR ,erawtfoS llewkcoR ,noitamotuA llewkcoR ,O/I TNIOP ,O/I TNIOP ,O/I drauG TNIOP ,suBTNIOP ,retsamdrauG ,xigoLdrauG ,O/I drauG TNIOP ,kcolBtcapmoC ,yeldarB-nellA .KO us cilc eraF .ilanac ilognis eud emoc itarugifnoc eresse onossop elanac oippod a azzerucis id issergni ilG .drauG TNIOP O/I iludom i rep opmac id oiggalbac id inoissennoc el onartsom 46 anigap a 92 arugiF al e ,82 .emralla id irolav ied enoizatsopmi'l etnarud adiug eenil etseuq iugeS 76723Â¢Ã86723- mralA hgiH atilibA atilibasiD .itinifed neb onos non oveilir ni ilogips iiG .elanac olognis emoc erazzilitu ad elanac olognis led otnemanoiznuf id opiT otinifederp ossergni id otnup led enoizircsed erolaV ortemarap emoN .sv DFP - 17 arugiF]inna[avorp avorp avorp ollavretnI 20-E00.1 30-E00.1 40-E00.1 50-E00.1 60-E00.1 70-E00.1 lennahC lauD - B eireS S8BI-4371 avorp avorp ollavretnI sv elanac oippod a DFP B eireS S8BI-4371 avorp avorp ollavretnI .itacilpud odon id iremun 63 onemla itazzilitu onognev ,teNeciveD oipmese id iter ¹Ãip us ivitisopsid 001 id enopsid is es otnatrep ,odon id iremun 46 atroppus teNeciveD ete aL .elanigiro'lled alleuq a onodnopsirroc are enoizarugifnoc id amrif al e NNS li ,elanigiro TND elif la esab ni atterroc ¨Ã enoizarugifnoc al eS 8 olotipaC drauG TNIOP O/I iludom ied enoizutitsoS 361 anigaP .1 id itnemercni ni)ehcitsirengeim Ãtinu(76723Â¢Ã86723- ad erolav isaislauq eresse ²Ãup elanac led tesffo'L xigoLdrauG rellortnoc id ametsis nu ni oludom li erarugifnoC 5 olotipaC .engeps is e ednecca is elanges li odnauq ollaig ni aiggepmal otats id erotacidni'l ,zH 03 a eroirefni ¨Ã ossergni id azneuqerf al odnauQ .4 drauG TNIOP O/I iludom ied enoizutitsoS 8 olotipaC 651 egaP .c .ovitutitsos oludom li erattecca e NNS'l eratsopmir amrefnoc id ogolaid id artsenif allen ¬Ãs us cilc eraf id amirp otterroc oludom li On each set of input points to modify the configuration. Chapter 2 Safety Inputs, Safety Outputs and Mode of the Security Data Speedometer in Tachometer Mode, the Digital Pulse Measure Module between 0 and 24 V DC and E eht elihW ...V561.0 pord egatlov etats-nO Fn 059 tuptuo rep dettimrep timil ecnaticapac dleif mumixaM sm 575 doirep esluP htdiw esluP sÂ¼Ã 574 xam A 1)tniop tuptuo hcae(tnerruc tuptuO gnicruos tnerruC epyt tuptuO eludom rep tuptuO ytefaS A seireS8BO-4371 etubirttA snoitacificepS eludoM tuptuO latigiD ytefaS C xidneppA snoitacificepS .setyb 5 eb dluow noitcennoc tupni eht ,sutats tniop laudivini detceles dah uoy fI ...ni desu nehw gnitset eslup ezilitu tsum slennahc tuptuo ytefas S2VBO-4371 lla dna ,slennahc tuptuo ytefas S8BO-4371 lla ,slennahc tupni ytefas S8BI-4371 llA .detcennoc si ecived dradnats A dradnatS desU toN .4 7 retpahC krowteN teNeciveD a no seludoM /I drauG TNIOP dna rellortnoC xigoLdrauG a neewteb snoitcennoC ytefaS gnirugifnoC 141 egaP .3 rellortnoC drauGtram a rof eludoM eht erugifnoC 6 retpahC 421 egaP .seludom Â ÂÂÂ ÂÂI drauG TNIOP sesu taht metsys a gnitarepo dna gnillatsni erofeb launam siht dnatsrednu dna daer ylhguorohT ecaferP 31 egaP ...ecnerefeR ytefaS smetsyS rellortnoC 0755 xigoLdrauG smetsys rellortnoc xigoLdrauG :eeS :ni stnemeriuqer ytefas roF ...:zH 5 @ ycneuqerF retliF zH 06 @ Bd 05-zH 06 @ Bd 07-zH 05 @ Bd 07-zH 8.4 @ Bd 3-zH 7.0 @ Bd 3- :zH 01 @ ycneuqerf retliF :zH 1 @ ycneuqerf retliF noitcejer edom lamroN A seriesS4EI-4371 etubirttA C xidneppA snoitacificepS 181 egaP .deifirev eb ot ydaeR si sutats esohw secived eht ylno tceles nac uoY .teS kcilC dleif rebmun krowten ytefas eht ot txen kcilc ,noitacilppa rengiseD xigoL eht ni bat lareneG eht nO .ylreporp gnikrow si krowten ruoy taht yfireV .sgat eht fo setats dna seulav eht swohs elbat sihT sgaT fo setatS dna seulaV 5 retpahC metsyS rellortnoC xigoLdrauG a ni eludoM eht erugifnoC .retlif latigid elop-ruof a yb dewollof si zH 01 fo retlif gnisaila-itna ,elop-elgnis A .esab gnitnuom eht llatsni ot spets eseht wolloF eludoM eht llatsnI 4 retpahC 85 egaP .dnoces rep seslup ro ycneuqerf a otni meht rengiseD xigoL eht ni erugifnoc noitarugifnoc uoy eliforp cireneg eht ot erawtfos teNeciveD rof xroWteNSR morf rebmun krowten ytefas eht etelpmoC krowteN teNeciveD a no seludoM O/I drauG TNIOP dna rellortnoC xigoLdrauG a neewteb snoitcennoC ytefaS gnirugifnoC 7 Retpahc 041 EGAP .LUDOM EHT SYALPSID EERT NOARUCHIFNOC O / I EHT ... SUTATS TUPNI Ytefas S8BI-4371 .ETEARER KCILC DNA TSIL EHT MORF RECPACA TENREHTE at ESOOHC .1 KROWTEN TENECIVED A NO SELUDOM O / I DRAUD TNIOP DNA RELLORTNOC XIGOLDRUG TO NEEWTEB snoitcennoC ytefaS gnirugifnoC 7 retpahC 841 egaP .srucco ycnapercsid a ,riap eht fo lennahc dnoces eht fo noitisnart eht erofeb riap eht fo lennahc eno ni srucco noitisnart a nehW .rellortnoc drauGtramS eht ot detcennoc si taht krowten teNeciveD eht sesworb ohWSR .krowten ytefas a no IT Gnillatsni Eropheb Noitarugifnoc Gnitsixe EHT Raelc, YLSuoIrp Desu Saw Eludom O / I Drug Tniop A Fi OT Eludom A Gnittser Rellortnoc Draugtr AMS a Htiw NNS EHT Gnittes - 05 Erugif Rellortnoc Xigoldraug A Htiw NNS EHT Gnittes - 94 Erugif 8 Retpahc Seludom O / I Drug Tniop Gnicalper ... Â ¢ Ã ¢ Drugtrams Htiw Ylno Desu EB TNACIFIRESED EHT Tset ESLUP OT DERUGIFNOC EB NAC TUPTUO YTEFAS EHT, NO SI TUPTUO EHT NEHW SLUP TSET HTIW TUPTUO YTEFAS) S2VBO-4371 DNA S8BO-4371 (.KROWTEN TENECIVED EHT NO SELUDOM O / I DRAUG TNIOP DNA DRAUGTRAMS EHT SDNIF ERAWTFOS TENECIVED ROF XROWTENSR. Smrala Ssecorp Htiw Krow OT, Dnabdaed to Erugifnoc NAC UOY Atad Ytefas DNA Stuptuo 2 Retpahc .1 SnoitCennoc Tuptuo DNA Tupni Eht Pu You have Rellortnoc .stuptuo Ytefas Tuoba Noitamrofni Rof Noitces Siht Daer Stuptuo Ytefas 2 Retpahc Atad Ytefas DNA Stuptuo Ytefas, Stupni Ytefas .zhk 1 Ta Dehctal Yes ELUDOM EHT YB Detrooper EULAV EHT ESUACEB METSYS EHT FO YCNEUQERF EHT ROTINOM OT DOHTEM ETANRETLA NA ESU TSUM UOY, 0 OT TES SI TIB Right-click on Module and select Property. Chapter 2 Safety Inputs, Safety Data Security and Security Outputs Enter fault reset If an error is detected, the safety input data remains in the OFF status. Click Advanced to open the Advanced Connection Reaction Time Connection Time dialog. Assign the point mode. Click on the Security tab. Provides conformity statements, certificates and other certification details. Flashing green module online without established state connections. ATTENTION: Since serious injury can occur due to the loss of security function required, follow these safety precautions. If you are already connected to the controller, a connection is performed. In the Name field of the new Module dialog box, type a unique name for the input module. In the Select Module dialog box, check the communication and Allen-Bradley. No. Key 1 (left) Key 2 (right) 1734-IB8S 1734-OB8S 1734-OVER2S 1734-IE4SS Assembly base TaySwitch assembly Locking mechanism 2. From the output data drop-down menu, choose between the following options. Page 191 Specifications Appendix C Attribute 1734-IB8S Series B Input Filter Time Input, Off A On 0 â,¬ | MS (in 6 ms incrementations) input filter time, on shutdown indicators 1 yellow / yellow status indicator Power status indicator 8 channel status indicators I / O key keys keys (left and right) key 1 = 8 (on the left); ... The wire conductors are correctly and check the module operation before positioning the system in operation. As shown in Figure 62 below, the drift of the module increases considerably when the currents greater than 16 mA is measured. (1734-IE4S) The module is used with a GuardLogixÂ® controller, set the inputs of the important module to single (default). No. Type of product Product code 1734-IB8S 1734-OB8S 1734-OVER2S 1734-IE4S 1734-IB8S Module 1734-IE4S Module 6. Module 1734-IE4S 6. Single double channel use as a double channel equivalent. Chapter 5 Configure the module in a GuardLogix controller system 4. Select a one Form and click Create. Configure digital security outputs to configure digital security outputs, follow this procedure. If the second channel transcends the appropriate state before the discrepancy time passes, the inputs are considered complementary. From the module node drop-down menu, select a unique module node number that corresponds to the module position in the chassis. RSNETWORX for DeviceNet software confirms that the SNN has been set. In this example, we chose the 1756-EN2T bridge. From the Properties dialog box of the module, click the Security Input Configuration tab. Connect the refueling of the power tent to 24 V. Page 208 (3) Average time for failure (spurious). Indicators APPENDIX A Network status indicator Description Recommended Action The module will not be online with the network or there will be no power. Page 136 1. All 1734-IB8S security input channels, all 1734-OB8S security output channels, and all 1734-OVER2S security output channels must use pulse tests if used in functional security applications. Page 182 APPENDIX C Specifications Attribute 1734-IE4S Series A Bus PointBus Point Bus Current, Max 110 MA @ 5V Power Dissipation, Max 2.2W Thermal Dissipation, Max 7.5 BTU / HR Field Power Input 19.2 â | 25 mA, class Sensor power of output sensor type 2, rated output current at 24 V DC per 150 mA point max. The SmartGuard 600 controller can² have up to 32 connections. Figure 30 - 1734-IB8S Point Guard I/O Point Wiring Module I/O (Dual Channel Contacts) 1734-TB, 1734-Top, 1734- Top3 bases shown only with the base of 1734-Top3. Page 186 APPENDIX C Specifications Figure 58 - Frequency response of the voltage input with filter = 1 Hz (Hz) 0.01 0.10 1.00 10.00 10 0:00 a.m. 10000.00 ADC Resolution = -72.2 DB Figure 59 - Filter Voltage Input Frequency Response = 5 Hz Frequency (Hz) 0.01 0.10 ... Set the configuration assembly instance to 864 for all Guard Point modules. Single Dual Channel Use as dual-channel. ¢ÃÂ¢Â 1 Hz ¢ÃÂ¢Â 5 Hz ¢ÃÂ¢Â 10 Hz ¢ÃÂ¢Â... Page 115 Configure the Module for a SmartGuard Controller Chapter 6 Follow these steps to set the node address with the node commissioning tool. Place RSNetWorx from DeviceNet software back into Online mode. Page 75 Install the Module Chapter 4 Figure 41 - 3-wire Voltage or Tachometer Sensor (SIL 3) 1734-TB Terminal Bases Signal (V) SIL 2 Signal Return 3-wire Sensor +24V Signal (V) SIL 2 Signal Return 3-wire Sensor +24V Cable Shield Cable Shield This wiring configuration can also be used for SIL 2 redundant Tachometer mode. Click Reset. Page 227 Bulletin 440G 16 1734-IB8S Bulletin 440H 16 field connections 63 Bulletin 440K 16 muting lamp operation 44 Bulletin 440P 16 1734-IB8S input assembly 138 Bulletin 700S 16 1734-IB8S output assembly 138 Bulletin 800F 16 1734-IE4S Bulletin 800T 16 field connections 64... 1734-IE4S, 1734-IB8S, 1734-OB8S, and 1734-OBV2S are certified to help meet NFPA79 ¢ÃÂÂ Electrical Installation of Industrial Machinery. Page 135 Chapter Configuring Safety Connections between a GuardLogix Controller and POINT Guard I/O Modules on a DeviceNet Network Topic Page Configure the Module in RSNetWorx for DeviceNet Software Add the POINT Guard I/O Module to the Controller Project Complete the Safety Configuration Download the DeviceNet Network Configuration Verify Your DeviceNet Safety Configuration To use POINT Guard I/O¢ÃÂ¢Â... Follow this procedure to edit the Message Configuration dialog box. Figure 40 - 2-wire Current (4¢ÃÂ¦Â20 mA) Sensor (SIL 3) 1734-TB Terminal Bases Signal (I) SIL 2... In RSNetWorx for DeviceNet software, click Copy to copy the safety network number. Page 157 Replacing POINT Guard I/O Modules Chapter 8 3. Parameter Name Value Description Default Tach Dual Low Detection To increase the diagnostic coverage of your speed sensing loop, you must determine whether the Disabled two tachometer sensors you are using to sense speed are 67 egaP .aticsu id oludom li rep ocovinu emon nu eratigid ,oludoM ogolaid id oludom ovoun led emoN opmac leN .atavitta ¨Ã aticsu'l ,otsaug nu ah non e NO otats ollen onavort is elanac led itad i odnauq olos S8BO-4371 ,olognis elanac a ÃtiladoM 2 olotipaC azzerucis id itad e azzerucis id eticsu ,azzerucis id issergnI .enoizerid id itad ecudorp non elaiznereffid redocne nu id ozzilitu'l idniuq ,enoizerid al avelir non ortemihcat led enoiznuf aL .acifidoM us cilc eraf ,oludom led enoizinifed al eracifidom reP .8 otnup led enoizetorp alled O / I iludom ied enoizutitsoS 8 olotipaC 851 egaP .S2REVO-4371 azzerucis id elatigid aticsu id oludom li rep ehcincet ehcificeps el onos etseuQ azzerucis id elatigid aticsu id oludoM ehcificepS C ecidneppA .esecca onos eticsu el ,otsaug nu ah elanac li ©Ãn e otats ollus otats ollen onavort is ilanac i ibmartne id itad i odnauQ lennahc-laud ÃtiladoM azzerucis id itad e azzerucis id eticsu ,azzerucis id issergnI 2 olotipaC .xigoLdrauG azzerucis id enoizacilppa'l rep inoizurtsi ellad atinrof ¨Ã Ãtilanoiznuf atseuq ©Âhciop oludom led lennahC-lauD Ãtiladom al erazzilitu noN ... >- FFO ossergni id odratir id opmeT 3 tset aticsU 2 tset aticsU 1 tset aticsU 0 tset aticsU onusseN .oludom la atacilppa eneiv aznetop anusseN atadnamoccar enoizA enoizircseD oludom led erotacidnI S2REVO-4371 aznetoP 3 aticsU 2 aticsU 1 aticsU 0 enoizarugifnoc id aticsU eter alled enoizarugifnoC oludoM oludoM irotacidnI A ecidneppA .ilibinopsid ologna'd ezneuqerf itneuges el art ilgecS .)FFO(.1 .3 5 olotipaC xigoLdrauG rellortnoc id ametsis nu ni oludom li erarugifnoC 19 egaP .0 acigol enamir ,ossergni id elanimret la otacilppa eneiv V 42 li eS .itagelloc eresse onossop azzerucis id ecul alled ednet el e etag led irotturretni ilg ,aznegreme id otserra id etnaslup li emoc ,azzerucis id ivitisopsid I" ¬â ¢Ã azzerucis id ilatigid issergnI - ehcitsirettaraC S8BI-4371 elatigid ossergni id oludom led ehcitsirettaraC .emeisni 4 Installing the module Figure 43 - Voltage with 4-wire or speedometer sensors (SIL 3) 1734-TOP3 Bases of the signal terminal (V) SIL 2 RETURN SENSOR OF 4 WIRE SENSER + 4-WIRE SENSOR + 24V Common signal (V) SIL 2 return signal 4 -wire sensor + functional functional screen 24V functional shield This wiring configuration can also be used for SIL 2 2 Tachometer mode. Overview of the Point Guard I / O Chapter 1 Safety Precautions Observe these precautions for proper use of Point Guard I / O modules. On the Security tab, select the Signature Configuration check box. 7. Links 1. Do not connect loads above the nominal value to the safety outputs. Safety input, security output and safety data Chapter 2 Double-channel equivalent mode If you use the module with a GuardLogix controller, set the inputs of the IMPORTANT module to SINGLE (default setting). Parameter name Value Description Output mode Default test Unused An external device is not connected. These module revisions support CIP security. Enter the new device address. Follow these steps to define the module operation in Tachometer mode. You can select both the equivalent and complementary. Topic page Updating an important earthing education. Page 2 Important user information Read this document and documents listed in the Additional Resources section on the installation, configuration and operation of this equipment before installing, configuring, use or manage the product. Page 96 Chapter 5 Configure the form in a GuardLogix g controller system. Analog Input Assembly Assembly Assembly Assembly Assembly Using the module data configured using generic profile input assemblies Table 26 - 1734-IB8S Input assembly assembly connection assembly byte bit 7 bit 6 bits 5 bits 4 Bit 3 ... Page 23 Overview of the Point Guard I / O Chapter 1 For the requirements of the security system, including information on the security network number (SNN), the safety signature verification, the intervals of the functional verification, system reaction time and PFD / PFH calculations, refer to the following publications. Replacing the I / O modules Point Guard Chapter 8 Using RSNetWorX for DeviceNet software Follow these steps to reset the module to a non-box condition. Page 146 Chapter 7 Configuring Safety Connections between a GuardLogix GuardLogix Lareneg YFIEPS .Enon .Sv erutarepet p8bi S8bi is, 4071) FUNEAGY, 04 _571) FUNEI (TNERRUPSO tset) m3t, 2t, m1t, 0t (secrios foown.s pluncoda oht Elugufs Eriffs Eriffs Eriffs Eriffs Eriffs Eriffs Eriffs Eriffs Eriffs Erlot Etriffs Aht Eriffs Eriftca Oht Eriffs Eriffs Eriffs Eriffs Eriffs Eriffs Erlot Ethad Elgufs AHTPA.SEPE POLARD SENOLHTA.REPSE TEAN ELERIDS AHTPA.SEPEPA TELARD SENOLHTA.REPEFA TELORHC. fo eman eht epyt ,xob golaid eludoM weN eht fo dleif emaN eht nI .tniop tupni hcae rof gat sutats eno si erehT sutatS .tP ...Â¢ÂÃ¢ sutatS tuptuO tseT laudividnI Â¢ÂÃ¢ sutatS tuptuO denibmoC Â ¢ â ¢ steamed tinop JODIDNO LIII ¢ in Latga Fiads of / in Latgo Fiads of / in Latios Dna Stupuoo Yetfas, Stupni Yetfas 1 7102 Rebmetpes - in Drouching UltoPoocs .3 5 Retpahc MeetsNoc X erugifnoC .tniop tuptuo hcae rof gat sutats eno si erehT sutatS .tP .no dednammoc si tuptuo tset TNATROPMI eht taht erus eb ,sutats gnitum gnidnopserroc eht fo etats eht gnikcehc erofeB .erudecorp siht wollof ,slennahc tupni golana ytefas eht erugifnoc oT noitarepO lennahC tupnI golanA ytefaS eht erugifnoC 5 retpahC metsyS rellortnoC xigoLdrauG a ni eludoM eht erugifnoC .egap.ecnailpmoc-latnemnorivne-tcudorp/scihte-ytilibaniatsus/su-tuoba/noitamotuallewkcor/moc.noitamotuallewkcor.www//:ptth ta etisbew sti no noitamrofni latnemnorivne tcudorp tnerruc sniatniam noitamotuA llewkcoR 432 egaP .dekcoL ytefaS eb ot ydaeR ro DELIAF yfireV rehtie fo sutats htiw secived ytefas syalpsid egap weiveR ehT stropeR noitacifireV eciveD ytefaS eht weiveR 7 retpahC krowteN teNeciveD a no seludoM O/I drauG TNIOP dna rellortnoC xigoLdrauG a neewteb snoitcennoC ytefaS gnirugifnoC .TXen Kcilc, Ssecorp Erapmoc Dna Daolup NOHT NETBIVIVIVIVIVIVIVIVIVIVIVID A / IN DROOG TNOOP DNA .erutaef .ierutaefsginfognocfnoc et montys xui t ton tonss ytefslu ton Gnicalson 8 RetPahC .Fo option SUTATS TUTCE YTephas Lunethuck NiTephat: Seton integr eht ni serudecorp eht wollof ,rellortnoc eht fo putes eht etelpmoc dna rellortnoc eht ot snoitcennoc tuptuo dna tupni erugifnoc oT drauGtramS eht erugifnoC rellortnoC drauGtramS a rof eludoM eht erugifnoC 6 retpahC .8 krowteN teNeciveD a no seludoM O/I drauG TNIOP dna rellortnoC xigoLdrauG a NeewTeb Snolecennoc Ytefas Gibilegnoc 831 eGap ... 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