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Book Descriptions:

burkert 8692 user manual



For the use, observe the ATEX manual with safety instructions for the Ex area. In addition, there is a nonchangeable master code with which you can perform all operator actions on the device. The position setpoint value is specified by an external standard signal or via field bus. 5.4.2 Type 8693, process controller Type 8693 also features a PID controller which, apart from actual position control, can also be used to implement process control e.g. The device is designed using threewire technology. Operation is controlled by four keys and a 128x64 dot matrix graphics display. The grev part of the diagram indicates the additional function of the superimposed process control circuit in Type 8693. Process actual value. Valve opening Position set Positioner Control system Continuous point value Solenoid valves valve Position sensor Position control circuit Figure 4 Position control circuit in Type 8692 english. Specification of the value in %, from which the actuator is completely CUTOFF deaerated when 0% or aerated when 100%. Configurable auxiliary functions Hierarchical.operating.concept.for.easy.operation.on.the.following.operating.levels. The process controller in the main control circuit of Type 8693 has a PID function. Specification of the value in %, from which the actuator is completely CUTOFF deaerated when 0% or aerated when 100%. Configurable auxiliary functions Functions.and.setting.options.of.the.process.controller. Operating structure and factory settings", page 178. The factory presets are highlighted in blue to the right of the menu in the operating structure. Examples. The actuator moves from its rest position to the end position. To do this, the pilot valves must be activated with a screwdriver. Always bridge Pin 3 and Pin 4 on the sensor. The handling of the settings differs for the various control functions. The procedure is described in chapter "20 Startup sequence". The display is adjusted to the set functions and operating levels. http://www.remote-itsupport.co.uk/userfiles/dell-2335dn-user-manual.xml

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The key function which is active is displayed in the gray text field which is above the key. Arrow key After reaching the last decimal place, the display switches back to the first decimal place. Enter date and time. To ensure that the input menu for CLOCK can be selected on the process level, the following functions must be activated in 2 stages 1. When the operating voltage is switched on, the device is in the AUTOMATIC operating state. AUTOMATIC In the AUTOMATIC operating state normal controlled operation is implemented. The auxiliary function is activated via the ADD.FUNCTION basic function and transferred to the main menu MAIN. The auxiliary functions can then be selected and set in the extended main menu MAIN. For a description see chapters "12" und "13". The display shows the process level with the values for POS and CMD. The operating mode of the actuator has been preset in the factory. SELEC SINGLE ACTUATOR ENTER Setting.level. Main.menu.MAIN EXIT DOUBLE M A I N ACTUATOR INPUT Select the input signal X.TUNE. Generally not required for the initial startup. The operating mode of the valve actuator has been preset in the factory. Procedure Action Description Switching from process level setting level. MENU Press for approx. 3 s Select INPUT The possible input signals for INPUT are displayed. Optimization occurs according to the criteria of the shortest possible transient time without overshoots. Procedure Action Description Switching from process level setting level. MENU Press for approx. 3 s Select P.CONTROL Selection in the main menu MAIN. The submenu options for basic settings can now be selected. ENTER Press 1.Set.up.process.controller.configuration Select SETUP The menu for setting up the process controller is displayed. Even the selection options for the units of the process actual value in PVmin depend on the signal type selected in PVINPUT.http://www.zuppardo.eu/userfiles/dell-2350-manual.xml



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Example of a sensor calibration for frequency Frequenz signal type Pulses Scaling Flowrate Process actual value Kfactor. ENTER Press either Select VALUE Manual.input.of.the.Kfactor. The input screen is opened. The decimal point has a dark INPUT Press background. Specify position of the decimal point. Operating structure SELEC Smooth switchover activated P.COINIT ENTER. Factory setting 0 Operating structure PID.PARAMETER DBND 1.0 % ENTER FILTER INPUT EXIT Input value Adjustment range 0. 9 Figure 58 Operating structure FILTER;. In doing so, the nodes for the correction characteristic are automatically determined. To do this, the program moves through the valve stroke in 20 steps and measures the associated process variable. In doing so, the parameters for the P, I and Dcontribution of the PID controller are automatically determined and transferred to the corresponding menus of KP, TN, TV. Change to MANUAL operating state. MANU Press The input screen for manually opening and closing the valve is displayed. Connect supply pressure. ERROR 1 No change to process variable. Check process and, if required, switch on pump or open the shutoff valve. This chapter describes how the auxiliary functions are activated, set and configured. 25.1 Activating and deactivating auxiliary functions The required auxiliary functions must be activated by the user initially by incorporation into the main menu MAIN. Procedure Action Description Switching from process level setting level. MENU Press for approx. 3 s Select ADD.FUNCTION. These are used to correct the operating characteristic. MENU Press for approx. 3 s Select CHARACT To do this, the auxiliary function must be incorporated into the main menu. Menu options of CHARACT are displayed. This is where you input the limits for the position setpoint value CMD as a percentage, from which the actuator is fully deaerated or aerated. Each auxiliary function, which is to be set, must be incorporated initially into the main menu MAIN.

Factory setting Rise Direct effective direction Rise DIR.ACT. In doing so, the stroke range of the limited stroke is set equal to 100 %. Factory setting Access Code 0000 If the code protection is activated, the code set access code or master code must be input whenever operator action is disabled. SAFEPOS activated The actuator moves to the safety position which is specified in the SAFEPOS auxiliary function. The binary outputs 1 and 2 can be used for one of the following outputs POS.Dev. MENU Press for approx. 3 s Select OUTPUT To do this, the auxiliary function must be

incorporated into the main menu. See "Table 62". Action Description Select OUT.type The switching statuses normally open and normally closed are. POS 0 100 % calibr.MENU Press for approx. 3 s Select CAL.USER To do this, the auxiliary function must be incorporated into the main menu. The submenu options are displayed. MENU Press for approx. 3 s Select CAL.USER To do this, the auxiliary function must be incorporated into the main menu. The submenu options are displayed. MENU Press for approx. 3 s Select CAL.USER To do this, the auxiliary function must be incorporated into the main menu. The submenu options are displayed. MENU Press for approx. 3 s Select CAL.USER To do this, the auxiliary function must be incorporated into the main menu. The submenu options are displayed. MENU Press for approx. 3 s Select CAL.USER To do this, the auxiliary function must be incorporated into the main menu. The submenu options are displayed. MENU Press for approx. 3 s Select CAL.USER To do this, the auxiliary function must be incorporated into the main menu. The submenu options are displayed. Switching from setting level process level. To do this, further menu options can be activated for the display of the process level. POS and CMD are activated in the asdelivered state. MENU Press for approx. 3 s Select ADD.FUNCTION The possible auxiliary functions are displayed. ENTER Press Select EXTRAS ENTER Press Activate the EXTRAS auxiliary function by checking the box transfer into the main menu. It is for internal use only. english. Caution! Restarting the device deactivates the simulation. The settings of SIGNAL.form, x.SIM and p.SIM are reset to the factory setting. Select SIGNAL.form The menu options for activating and for selecting the waveform are ENTER Press displayed. Select required menu option.



http://www.drupalitalia.org/node/77136

If there are deviations from the setpoint state, messages are output according to NE 107. Example of the output of a diagnosis message. Activatable diagnosis functions Graphical display of the dwell time density and movement range. HISTOGRAM Operatinghours counter SERVICE.TIME Path accumulator TRAVEL.ACCU. The status signal, which is assigned to the diagnosis message, is indicated by a symbol. For this purpose the stroke range is divided into 10 classes. The current position of one of the 10 classes is assigned to each scan time. For this purpose the movement range between two changes in direction is divided into 10 classes. The current position of one of the 10 classes submenu dwell time density is. For description see "25.2.21.7. History

entries in the HISTORY submenu". A movement of the actuator piston is detected when the position changes by at least 1 %. The interval for outputting messages is specified by inputting a limit for the total number of piston movements. See chapter "25.2.21.4. Activation of diagnosis functions". The menu is displayed. If a stroke limit was set in the X.LIMIT menu, the mechanical end position monitor has only limited relevance. The end positions indicated on the process level under POS are not the physically caused end positions in this case. Press Return to the STROKE.CHECK menu. EXIT Press Return to the DIAGNOSE main menu. When the diagnosis message is actuated, a history entry is created with date and value. The history entries of the respective diagnosis function can be viewed and deleted in the HISTORY submenu. For special requirements the X.TUNE function, as described below, can be manually configured. If there are no mechanical end positions available, these are not approached by the X.TUNE and must be man ually specified. For optimization the actuator is aerated and bled.

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A progress bar on the display indicates the position of the actuator and the speed of aeration and deaeration. A change to the supply pressure will affect the aeration time which can be optimized in this way. OPERATING STRUCTURE AND FACTORY SETTINGS The factory presets are highlighted in blue to the right of the menu in the operating structure. Examples Menu options activated or selected at the factory Menu options not activated or selected at the factory sec,. INP 20mA 0 calibr. See chapter "29.2 Startup sequence". For a description see chapters "12" and "28". Display Device.status Explanation Troubleshooting is displayed approx. The circuit prevents the occurrence of interference caused by signals reflected onto the data lines.For a description see chapters "12" and "31". Class, Instance, Attribute data attribute INP factory setting 4, 21, 3 Byte 0 INP low Byte 1 INP high 4, 22, 3. In doing so, you can also select whether only individual parameters single or all parameters all of a group are read from the device upload or are loaded into the device download. In our example this is how the assignment indicated in "Figure 139" results. Connect supply pressure. ERROR 1 No change to process variable. Check process and, if required, switch on pump or open the shutoff valve. Not possible, device defective. Table 122 Error Messages on Field Bus Devices On.DeviceNet Display Device.status Explanation Troubleshooting is displayed approx.It is the time which passes until the actuating variable has run through the whole adjustment range. Characteristic.and.step.response.of.the.I.portion.of.a.PID.controller Ymax Ymin Characteristic. The larger Kd is, the greater the Deffect is.

Characteristic.and.step.response.of.the.D.portion.of.a.PID.controller Step response Ramp response Figure 142 Characteristic and step response of the D portion of a PID controller. The determined PID parameters can be seen via the operating menu and reoptimized at will for an empirical path.

 $\underline{http://www.ejnerkaa-landbrug.dk/images/bounty-hunter-sharpshooter-2-metal-detector-manual.pdf}$

2. Electrical connection	
A DANGER!	
Risk of electric shock!	
Before reaching into the device or the equipment, switch off reactivation!	the power supply and secure to prevent
Observe applicable accident prevention and safety regulation	ns for electrical equipment!
Circular plug-in connector:	
\rightarrow Loosen the circular plug-in connector.	
Cable gland:	
→ Unscrew the 4 screws on the cover and remove the cover.	
→ Unscrew the screw terminals and pull out cables.	
→ Close the positioner.	
3. Mechanical connection	
-> Loosen the fastening screws.	
-> Remove the positioner upwards.	
Positioner	
electrical connection	Connection
cable gland	circular
Ter.	connector
	Fastening
Pneumatic	screws (2x)
connections	Pneumatic con
Actuator	nection to the
Actual of	
	Actuator
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Series 2103, 2300 and 2301	Series 28xx and 27xx

An actuating variable jump of 100% is output. The times Tu and Tg are derived from the progress of the actual value of the control variable. TABLE FOR YOUR SETTINGS ON THE PROCESS CONTROLLER TYPE 8693 42.1. Set parameters of the process controller Date Date Date DBND PVmin PVmax SPmin SPmax UNIT K factor FILTER english. BURKERT OPERATING INSTRUCTIONS MANUAL Pdf Download. Optional inputs and outputs are illustrated by dotted lines Figure 8 The device is designed to be mounted on pneumatic actuators of process valves for the control of media. Fine Controls are the Official UK Premier partner for the Burkert product range type 8692, Valve Positioners, carrying extensive stocks at discounted prices. Download Tech Spec Download Manual. Contact to Order. Rang di brown a song. Please consider the technical attributes. The easy handling and the selection of additional software functions are done either on a big graphic display with backlight and keypad or over COMMUNICATOR. The positioner registers the valve position without deterioration through a contactfree, analog position sensor. The control of single or doubleacting actuators is done without internal air consumption. With integrated diagnostic functions operation conditions of the control valve can be monitored. Through status signals, valve diagnostic messages are transmitted according to NAMUR NE107 and recorded as history entries. The housing is easy to clean and features proven IP protection and chemically resistant materials for use in hygienic processing, in food, beverage and pharmaceutical industries. Combined with Burkert ELEMENT actuators the unique pilot valve system enables a compressed air recycling that avoids actuator chambers contamination from the environment. Please accept cookie privacy policy first. Please note the following changes, which come into effect because of this Please consider the technical attributes. Remote setpoint adjustment via a 420 mA signal or through ASInterface.

A contactfree analogue position sensor measures the position of the valve spindle. Simple installation through automatic TUNEfunction and setting through DIPswitch. Close tight function. Characteristic curves selection. Reversal of effective direction. Binary input. Additional parametrisation options are possible through DTM devices. A software interface can be used for, amongst others, linearisation of the operation characteristics by using free programmable fixed points. The valve position indication is shown through LED components. As an option an analogue

position feedback can be integrated. Please accept cookie privacy policy first.

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