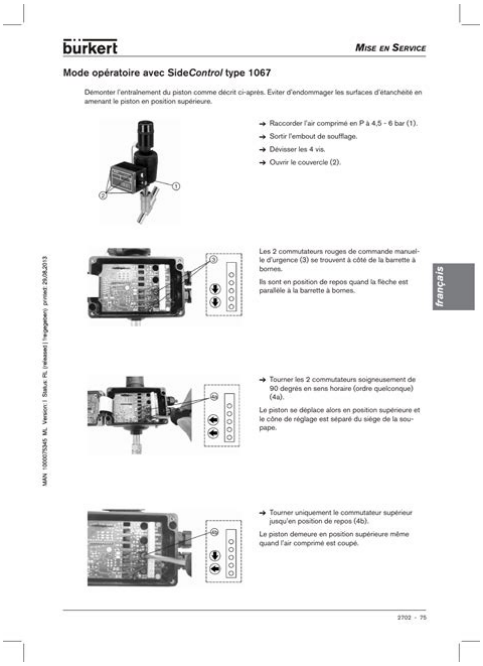
burkert side control 1067 manual



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Book Descriptions:

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E2 DESCRIPTION.E3 Characteristics and possible applications. E3 Construction.E5 Principle of operation.E6 Safety position. You have made a good choice. To be able to make the best use of the Repairs may only be carried out by authorised many advantages the product has to offer, it is trained personnel. The type 1067 positioner can be fitted to various continuous valves e.g. valves with piston, membrane or rotary drives and with single or double action.Great care must be taken to ensure that the spindle of the pathmeasuring system is seated on the spindle of the drive. Screw in the pathmeasuring system and secure with spanner. Its shaft is coupled to the valve rotary drive e.g. One of the menu subitems then appears in the display. It is possible to switch back and forwards between these subitems, each of which describes a possible setting, by again pressing the arrow keys. Only the basic functions are activated in the delivery state of the unit.It consists of a main menu and additional menu.Options SINGLE, INTERN Use of a single acting actuator with intern or without boost valves, SINGLE, BOOST Use of a single acting actuator with boost valves,. A freelyselectable stroke range 0. 100% can be assigned to each restart Fig. By means of the WPOS additional function the sense of action between the input signal and the setpoint WPOS.This additional function enables the physical stroke to be limited to a given MIN and MAX percentage value Fig. 33. In the AUTOMATIC mode the stroke range of the limited stroke is then set to equal 100%. The action of the binary input contact can be specified by means of this additional function. Options INACTIVE Binary input is not active. SAFEPOS safety position Input of a safety position SPOS selected if necessary. These rotary knobs red are accessible when the bonnet of the unit is opened. Therefore, it has a favorable static response.http://www.medits.co.kr/userfiles/dell-2350-manual-feed.xml

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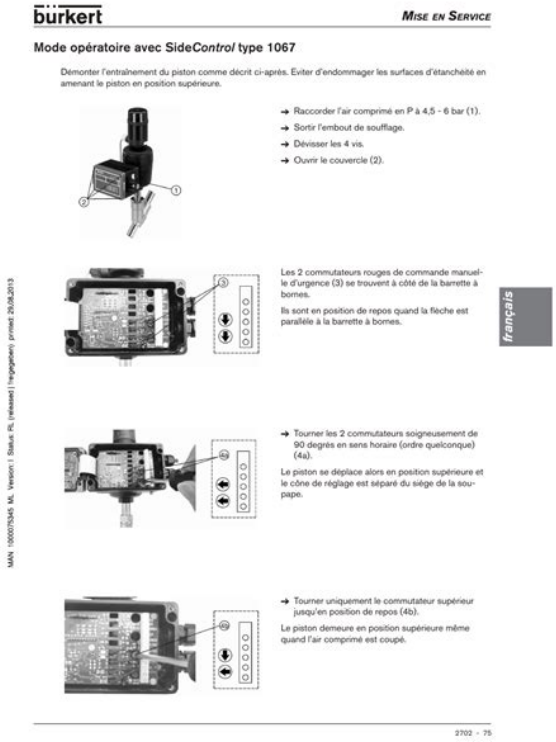

bürkert

MISE EN SERVICE

Mode opératoire avec SideControl type 1067

Démonter l'entraînement du piston comme décrit ci-après. Éviter d'endommager les surfaces d'étanchéité en amenant le piston en position supérieure.

→ Raccorder l'air comprimé en P à 4,5 - 6 bar (1).
→ Sortir l'embout de soufflage.
→ Dévisser les 4 vis.
→ Ouvrir le couvercle (2).

Les 2 commutateurs rouges de commande manuelle d'urgence (3) se trouvent à côté de la barrette à bornes.

Ils sont en position de repos quand la flèche est parallèle à la barrette à bornes.

français

→ Tourner les 2 commutateurs soigneusement de 90 degrés en sens horaire (ordre quelconque) (4a).

Le piston se déplace alors en position supérieure et le cône de réglage est séparé du siège de la soupape.

→ Tourner uniquement le commutateur supérieur jusqu'en position de repos (4b).

Le piston demeure en position supérieure même quand l'air comprimé est coupé.

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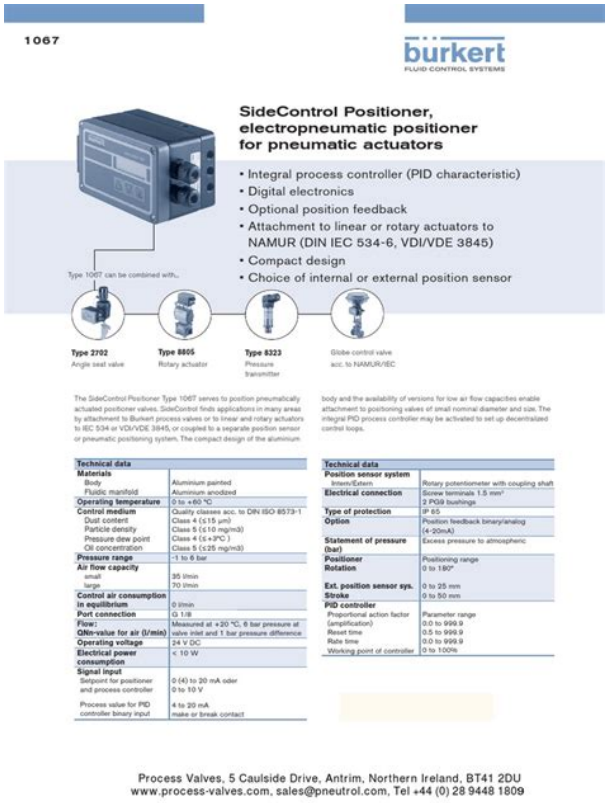
Owing to its finite manipulating speed, it operates more slowly than the P controller and tends to oscillate. To avoid bad adjustments, the conditions under which the respective adjustment rules have been elaborated must always be observed. They apply to systems with a P response, with a dead time and with a delay of the 1st order. Check it in the main menu, option END it is displayed at the righthand side of the screen. Check it in the main menu, option END it is displayed at the righthand side of the screen. It is possible to switch back and forwards between these subitems, each of which describes a possible setting, by again pressing the arrow keys.A sinusoidal relationship results if the lever mechanism is used for the transmission of path information cf. section 3.1.1. In this event, when LEVER is confirmed an internal linearization takes place by means of an approximated sinusoidal function. It is used only to configure additio nal functions. This automatically triggers the following functions TUNE is displayed with a countdown from 5 to 0. The word AUTOTUNE then flashes for approximately 30 to 120 seconds depending on the actuator volume. After the flashing ends, the message TUNE END is displayed. In order to obtain the best accuracy, it is recommended to run the AUTOTUNE function once more before putting the valve in operation. D3 Allgemeine Hinweise zum Gebrauch und zur Sicherheit. D3 Elektromagnetische Vertraglichkeit. Page 3 POSITIONER 1067 1 EINFUHRUNG Sehr geehrter Kunde, ein definierter und kontrollierter Wiederanlauf des Automatisierungssystems gema. Anleitung zu gewahrleisten. Um die vielfaltigen Vorteile, die Ihnen das Produkt bietet, voll nutzen zu konnen, befolgen Sie bitte unbedingt unseren Rat und LESEN SIE DIESE BEDIENUNGS ANLEITUNG GRUNDLICH, BEVOR SIE DAS GERAT MONTIEREN UND IN BETRIEB NEHMEN. 1.1 Auspacken und Kontrolle Reparaturen durfen nur durch autorisiertes Fachpersonal vorgenommen werden. Page 4 POSITIONER 1067 2 BESCHREIBUNG 2.http://bolshunoff.ru/images/wysiwyg/dell-2350dn-manual-feed-not-working.xml


1067

bürkert
FLUID CONTROL SYSTEMS

SideControl Positioner,
electropneumatic positioner
for pneumatic actuators

- Integral process controller (PID characteristic)
- Digital electronics
- Optional position feedback
- Attachment to linear or rotary actuators to NAMUR (DIN IEC 534-6, VDI/VDE 3845)
- Compact design
- Choice of internal or external position sensor

Type 1067 can be combined with...

Type 2702 Angle seat valve
Type 8805 Rotary actuator
Type 8323 Pressure transmitter
Globe control valve acc. to NAMUR/IEC

The SideControl Positioner Type 1067 serves to position pneumatically actuated positioner valves. SideControl finds applications in many areas by attachment to Bürkert process valves or to linear and rotary actuators to IEC 534 or VDI/VDE 3845, or coupled to a separate position sensor or pneumatic positioning system. The compact design of the aluminium body and the availability of versions for low air flow capacities enable attachment to positioning valves of small nominal diameter and size. The integral PID process controller may be activated to set up decentralized control loops.

Technical data	
Materials	
Body	Aluminium painted
Fluidic manifold	Aluminium anodized
Operating temperature	0 to +60 °C
Control medium	Quality classes acc. to DIN ISO 8573-1
Dust content	Class 4 (≤15 µm)
Particle density	Class 5 (≤10 mg/m3)
Pressure dew point	Class 4 (≤ +3°C)
Oil concentration	Class 5 (≤25 mg/m3)
Pressure range	-1 to 6 bar
Air flow capacity	
small:	35 l/min
large	70 l/min
Control air consumption in equilibrium	0 l/min
Port connection	G 1/8
Flow:	Measured at +20 °C, 6 bar pressure at
QNn-value for air (l/min)	valve inlet and 1 bar pressure difference
Operating voltage	24 V DC
Electrical power consumption	< 10 W
Signal input	
Setpoint for positioner and process controller	0 (4) to 20 mA oder 0 to 10 V
Process value for PID controller binary input	4 to 20 mA make or break contact

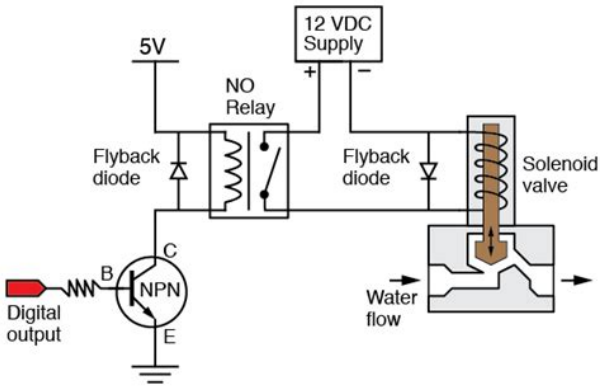
Technical data	
Position sensor system	
Intern/Extern	Rotary potentiometer with coupling shaft
Electrical connection	Screw terminals 1.5 mm² 2 PG9 bushings
Type of protection	IP 65
Option	Position feedback binary/analog (4-20mA)
Statement of pressure (bar)	Excess pressure to atmospheric
Positioner	Positioning range
Rotation	0 to 180°
Ext. position sensor sys.	0 to 25 mm
Stroke	0 to 50 mm
PID controller	
Proportional action factor (amplification)	Parameter range 0.0 to 999.9
Reset time	0.5 to 999.9
Rate time	0.0 to 999.9
Working point of controller	0 to 100%

Process Valves, 5 Caulside Drive, Antrim, Northern Ireland, BT41 2DU
www.process-valves.com, sales@pneutrol.com, Tel +44 (0) 28 9448 1809

1 Merkmale und Anwendungsmoglichkeiten Uberblick Der Positioner 1067 ist ein elektropneumatischer Stellungsregler fur pneumatisch betatigte Stetigventile. Das Gerat umfat die Hauptfunktionsgruppen Wegmesystem, elektropneumatisches Stellsystem und Mikroprozessorelektronik. Das Wegmesystem mit die aktuelle Position des Stetigventils. Zur Messung der IstPosition dient dabei ein externes Wegmesystem bei Varianten 2 und 3. Abb. 4 Funktionsschema Externer Stellungssollwert SollPosition WegmessSystem IstPosition Prozesollwert Prozeregler Stellungsregler Zuluft Abluft Stellventil Magnetventile Sensor Prozewert Druck, Durchflu, Niveau. Page 8 POSITIONER 1067 2 BESCHREIBUNG Abb. 5 Stellungsregelung Stellungssollwert Stellungsregler PWMGlied Ventilantrieb Abb. 6 Prozeregelung Prozesollwert Prozeregler Stellungsregler PWMGlied Ventilantrieb Proze. Hilfsregelkreis Hauptregelkreis 2.4 Sicherheitsstellungen Bei Spannungsausfall wird die durch die Wirkungsweise des Antriebs vorgegebene Endstellung angefahren durch Federkraft geoffnet oder geschlossen.Der pneumatische Arbeitsanschluss A1 ist mit der Antriebskammer zu verbinden, deren Axe im Beluftungsfsfall eine Rechtsdrehung im Uhrzeigersinn bewirkt. Anordnung Bei einem Stetigventil mit Dreh bzw. Page 17 POSITIONER 1067 3 INSTALLATION Abb. 20 Kupplung fur Stetigventil mit Drehantrieb Abb. 21 Montage des Positioners an ein Stetigventil mit Drehantrieb Stetigventil mit Drehantrieb 3.2 Fluidische Anschlusse Den Druckanschlu. P mit dem Versorgungsdruck 6 bar max. verbinden, bevor die Versorgungsspannung angelegt wird Abb. Danach erscheint auf dem Display einer der Menuunterpunkte. Zwischen diesen Unterpunkten, die jeweils eine Enstellmoglichkeit beschreiben, kann wiederum durch Betatigen der Pfeiltasten hin und hergeschaltet werden. Die eigentliche Einstellung erfolgt dadurch, da. Kann die AUTOTUNERoutine nicht vollstandig ausgefuhrt werden, wird im Display eine Fehlermeldung angezeigt siehe Liste der Fehlermeldungen in Abschnitt 5.

Soll das Hauptmenu fur die Einstellungen bei der Inbetriebnahme wieder verlassen werden, ist zunachst durch Betatigen der Pfeiltasten der Menupunkt END auszuwahlen. Page 23 POSITIONER 1067 4 BEDIENUNG gung der vierten Stelle erfolgt der Rucksprung. Im Auslieferungszustand des Gerates sind nur die Grundfunktionen aktiviert. Es besteht aus einem Haupt und einem Zusatzmenu. Es ist uber den Menupunkt ADDFUNCT des Hauptmenus erreichbar. Page 29 POSITIONER 1067 4 BEDIENUNG ACTUATE Werkseinstellung SINGLE, INTERN Wirkungsweise des verwendeten Ventilantriebs. Optionen SINGLE, INTERN Verwendung eines einfachwirkenden Antriebs mit

internen oder ohne BoostVentilen, SINGLE, BOOST Verwendung eines einfachwirkenden Antriebs mit externen BoostVentilen, DOUBLE Verwendung eines doppeltwirkenden Antriebs. Abb. 30 Korrekturkennlinien Normierter Ventilhub CHARACT Werkseinstellung LINEAR Kundenspezifische Kennlinie Characteristic. Page 30 POSITIONER 1067 4 BEDIENUNG Eingabe der frei programmierbaren Kennlinie Die Kennlinie wird uber 21 Stutzstellen definiert, die gleichmaig uber den Stellungssollwertbereich von 0. 100 % verteilt sind. Ihr Abstand betragt 5 %. Jeder Stutzstelle kann ein frei wahlbarer Hub Einstellbereich 0. 100 % zugeordnet werden Abb. 31. Die Differenz zwischen den Hubwerten zweier benachbarter Stutzstellen darf nicht groer als 20 % sein. Page 31 POSITIONER 1067 4 BEDIENUNG Abb. Die untere Grenze wird durch AUTOTUNE ermittelt. Mit dieser Zusatzfunktion kann der physikalische Hub auf vorgegebene %Werte MIN und MAX begrenzt werden Abb. 36. Im AUTOMATIKBetrieb wird der Hubbereich des begrenzten Hubes dann gleich 100 % gesetzt. Bei HANDBetrieb wird dagegen der physikalische Hub angezeigt. Es ist also zu beachten, da.Page 36 POSITIONER 1067 4 BEDIENUNG BININ Werkseinstellung INACTIVE Binareingang binary input Mit dieser Zusatzfunktion kann die Wirkungsweise des Binareingangs Kontakt festgelegt werden. INACTIVE Binareingang ist nicht aktiviert.



http://www.drupalitalia.org/node/77145

Diese Drehknopfe rot werden zuganglich, wenn der Deckel des Gerates geoffnet wird. Sie befinden sich unmittelbar hinter der elektrischen Klemmleiste. Bei einer Ausfuhrung fur einfachwirkende Antriebe sind zwei und bei einer Ausfuhrung fur doppeltwirkende Antriebe sind vier Drehknopfe vorhanden Abb.38. Abb. Page 38 POSITIONER 1067 4 BEDIENUNG 4.7 Struktur des Positioners Abb. ERR 2 Offnungszeit des Stellantrieb Page 40 POSITIONER 1067 ANHANG A1 Eigenschaften von PIDReglern Ein PIDRegler besitzt einen Proportional, einen Integral und einen Differentialanteil P, I und DAnteil. Er gibt sich als Verhaltnis von Stellbereich Y zu Proportionalbereich Xd. X Xd Y Ymax t Stellbereich Y Y Y0 Ymin Proportionalbereich Xd Kp. Xd Kp.Xd Xd t Ein reiner PRegler arbeitet theoretisch unverzogert, d.h. er ist schnell und damit dynamisch gunstig. Page 41 POSITIONER 1067 ANHANG X Xd dY dt t Stellbereich Y Y Ymax Xd Regelbereich Ymin Xd t Ti Stellzeit Kennlinie Sprungantwort Eigenschaften Ein reiner IRegler beseitigt die Auswirkungen autretender Storungen vollstandig. Er besitzt also ein gunstiges statisches Verhalten. Er arbeitet auf Grund seiner endlichen Stellgeschwindigkeit langsamer als der PRegler und neigt zu Schwingungen. Er ist also dynamisch relativ ungunstig. Page 43 POSITIONER 1067 ANHANG Realisierter PIDRegler DAnteil mit Verzogerung Im Prozeregler des Positioners ist der DAnteil mit einer Verzogerung T realisiert. Page 44 ANHANG POSITIONER 1067 A2 Einstellregeln fur PIDRegler In der regelungstechnischen Literatur werden eine Reihe von Einstellregeln angegeben, mit denen auf experimentellem Wege eine gunstige Einstellung der Reglerparameter ermittelt werden kann. Um dabei Fehleinstellungen zu vermeiden, sind stets die Bedingungen zu beachten, unter denen die jeweiligen Einstellregeln aufgestellt worden sind. Page 45 ANHANG POSITIONER 1067 Aus Kkrit und Tkrit lassen sich dann die Reglerparameter gema.

https://www.euralux.com/images/bounty-hunter-time-ranger-metal-detector-manual.pdf

Page 46 ANHANG POSITIONER 1067 In der folgenden Tabelle sind die Einstellwerte fur die Reglerparameter in Abhangigkeit von Tu, Tg und Ks fur Fuhrungs und Storverhalten sowie fur einen aperiodischen Regelvorgang und einen Regelvorgang mit 20 % Uberschwingen angegeben. Sie gelten fur Strecken mit PVerhalten, mit Totzeit und mit Verzogerung 1. Ordnung. Page 47 ANHANG A3. Eine Kontrolle ist im Hauptmenu unter END moglich Die Softwareversion wird dort am rechten Rand des Displays angezeigt siehe auch Ende von Kapitel 4.5. Technische Daten des Optionsausgangs des Positioners Ausgangssignal fur IstPosition 420 mA Anschliessbare externe Burde bzw. Page 52 POSITIONER 1067 ANHANG D52 Page 53 POSITIONER 1067 TABLE OF CONTENTS 1 1.1 1.2 1.3 INTRODUCTION.E2 Unpacking and inspecting.E2 General notes on use and safety. Page 54 POSITIONER 1067 1 INTRODUCTION Dear Customer, To be able to make the best use of the many advantages the product has to offer, it is absolutely necessary to follow our advice and for electrical equipment shall be complied with during the operation, servicing and repair of the positioner. READ THESE OPERATING INSTRUCTIONS CAREFULLY BEFORE FITTING THE UNIT AND PUTTING IT INTO SERVICE Repairs may only be carried out by authorised trained personnel. 1. Page 55 POSITIONER 1067 2 DESCRIPTION 2.1 Characteristics and possible applications overview The 1067 positioner is an electropneumatic position controller for pneumatically actuated continuous valves. Page 58 POSITIONER 1067 2 DESCRIPTION 2.3 Principle of operation Fig. 4 shows a operational diagram of the positioner with its relationship to a piston drive control valve. Page 67 POSITIONER 1067 3 INSTALLATION 3.1.4 Fitting the positioner to a continuous valve with rotary drive Note When the 1067 is mounted on a doubleacting actuator for regulation purposes, select an actuator size bigger than the one indicated in the couple dimensioning table.

http://eurocomes.com/images/bounty-hunter-store-manuals-tracker.pdf

Connect the pneumatic connection A1 to the actuator chamber which axis rotates clockwise when air is supplied. One of the menu subitems then appears in the display. It is possible to switch back and forwards between these subitems, each of which describes a possible setting, by again pressing the arrow keys. Only the basic functions are activated in the delivery state of the unit. Page 76 POSITIONER 1067 4 OPERATION XLIMIT OPN FAST OPN SLOW CLS FAST CLS SLOW Limitation of mechanical range Input of initial value of stroke range in %. It consists of a main menu and additional menu. It can be reached via the ADDFUNCT item in the main menu. Page 80 POSITIONER 1067 4 OPERATION ACTUATE factory setting SINGLE, INTERN Method of operation of the valve actuator used. Options SINGLE, INTERN Use of a single acting actuator with intern or without boost valves, SINGLE, BOOST Use of a single acting actuator with boost valves, DOUBLE Use of a double acting actuator Fig. 30 Corrective characteristic curves Plug travel CHARACT factory setting LINEAR Customerspecific characteristic. Page 81 POSITIONER 1067 4 OPERATION Input of the freelyprogrammable characteristic curve The characteristic curve is defined by means of 21 restart points distributed uniformly over the set positioning range of 0. 100%. These are spaced at 5%. A freelyselectable stroke range 0. 100% can be assigned to each restart Fig. 31. The difference between the values of the stroke of two adjacent restart points shall not exceed 20%. Page 82 POSITIONER 1067 4 OPERATION Fig. The bottom limit is determined by AUTOTUNE. By means of the WPOS additional function the sense of action between the input signal and the setpoint WPOS. This additional function enables the physical stroke to be limited to a given MIN and MAX percentage value Fig. 36. In the AUTOMATIC mode the stroke range of the limited stroke is then set to equal 100%. DP Decimal point position Range of settings 0.

3 factory setting 0 PVL Lower scale value for actual process value. Page 87 POSITIONER 1067 4 OPERATION BININ factory setting INACTIVE Binary input. The action of the binary input contact can be specified by means of this additional function. SAFEPOS safety position Input of a safety position SPOS selected if necessary. NORM OPN normalyl open Binary input in deenergised position open normallyopen contact or closer. Page 88 POSITIONER 1067 4 OPERATION 4.6 Manual operation without power supply The solenoid valves integrated in the positioner can be manually operated without a power supply by using rotary knobs. These rotary knobs red are accessible when the bonnet of the unit is opened. They are located immediately behind the electrical terminals. Two rotary knobs are provided on the type for singleacting actuator Fig. 38. Fig. 38 Manual operation Preconditions for manual operation using the rotary knobs. Page 89 POSITIONER 1067 4 OPERATION 4.7 Structure of the positioner Fig. It results from the ratio of the manipulating range Y to the proportional range Xd. X Y Xd Ymax Y t Manipulating range Y0 Ymin Proportional range Y Xd Kp. Xd Kp. Page 92 POSITIONER 1067 APPENDIX X Xd dY dt t Manipulating range Y Y Ymax Xd Control range Ymin Xd t Ti Manipulating time Characteristic Step response Characteristics A pure I controller eliminates the effects of occuring disturbances completely. Therefore, it has a favorable static response. Owing to its finite manipulating speed, it operates more slowly than the P controller and tends to oscillate. Therefore, it is relatively unfavorable from the dynamic point of view. Page 94

POSITIONER 1067 APPENDIX Realised PID controller D component with delay In the 1067 positioner, the D component is realised with a delay T.

https://melissajacksonmd.com/wp-content/plugins/formcraft/file-upload/server/content/files/1626d7ddc9a591---3m-lx500-manual.pdf

Page 95 POSITIONER 1067 APPENDIX A2 Rules for adjusting PID controllers The litterature on control systems specifies a series of adjustment rules with which a favorable adjustment of controller parameters can be achieved experimentally. To avoid bad adjustments, the conditions under which the respective adjustment rules have been elaborated must always be observed. Page 97 APPENDIX POSITIONER 1067 The following table lists the settings for the controller parameters depending on Tu, Tg and Ks for command and disturbance response and for an aperiodic control operation as well as a control operation with 20% overshoot. They apply to systems with a P response, with a dead time and with a delay of the 1st order. Page 98 APPENDIX A3. Check it in the main menu, option END it is displayed at the righthand side of the screen. For positioners manufactured before 1996 mounting is only possible if the motherboard is fitted with black connection blocks if not, please contact you nearest Burkert agent. Page 103 SOMMAIRE POSITIONNEUR 1067 1 1.1 1.2 1.3 INTRODUCTION.F2 Controle de la livraison. F2 Remarques generales concernant lutilisation et la securite. F2 Compatibilite electromagnetique. Page 104 1 INTRODUCTION POSITIONNEUR 1067 Cher client, complexe dautomatisation, il faudra garantir une remise en marche controlee et definie du systeme dautomatisation apres toute interruption, en conformite avec la notice. Afin de pouvoir profiter pleinement des nombreux avantages de ce produit, nous vous recommandons de suivre scrupuleusement nos conseils et D E L I R E AT T E N T I V E M E N T C E TTE NOTICE DUTILISATION AVANT LINSTALLATION ET LA MISE EN SERVICE DE LAPPAREIL. Page 105 2 DESCRIPTION POSITIONNEUR 1067 2.1 Caracteristiques et possibilites d’utilisation vue d’ensemble Le positionneur 1067 est un regulateur de position electropneumatique destine au montage sur des vannes continues a commande electropneumatique.

L’appareil englobe les fonctions essentielles dindication de position, de systeme de reglage electropneumatique et d’electronique a microprocesseur. Lindicateur de position mesure la position instantanee de la vanne continue. Page 106 2 DESCRIPTION POSITIONNEUR 1067 Fig. Un indicateur de position externe variantes 2 et 3 permet de determiner la position effective. Fig. Page 109 POSITIONNEUR 1067 2 DESCRIPTION Fig. 5 Regulation de position Consigne de position Positionneur Element PWM Actionneur Fig. 6 Regulation de procede Consigne de procede Regulateur de procede Regulateur de position Element PWM Actionneur Procede Boucle de regulation auxiliaire Boucle de regulation principale 2.4 Positions de securite En cas de panne de secteur, la vanne se dirige en position de securite, suivant le sens daction de la vanne Normalement Ouverte NO Normalement Fermee NF. Page 113 3 INSTALLATION POSITIONNEUR 1067 3.1.2 Montage du positionneur sur une vanne continue a commande par piston Disposition Une vanne continue a commande par piston peut etre equipee de la variante 2 du positionneur. Lindicateur de position externe voir fig. 14 est visse sur la vanne fig. 11. La position du piston est transmise directement par la tige de lactionneur a l indicateur de position potentiometre lineaire. Fig. 11 Montage sur une vanne continue a commande par piston 2731 Fig. Page 117 3 INSTALLATION POSITIONNEUR 1067 3.1.4 Montage du positionneur sur une vanne continue a commande rotative Remarque Lorsquun 1067 est monte sur un actionneur doubleeffet a des fins de regulation, choisir une taille dactionneur superieure a celle indiquee dans la table de dimensionnement des couples. Raccorder le raccord pneumatique A1 a la chambre dactionneur dont laxe tourne dans le sens des aiguilles dune montre lors de lalimentation en air. Une sousrubrique du menu saffiche. Pour quitter le menu principal lors des reglages de mise en marche, selectionner la rubrique END en utilisant les touches a fleche.

A la livraison de lappareil, seules les fonctions de base sont activees. Page 126 POSITIONNEUR

1067 4 CONFIGURATION XMIN XMAX XTIME saisie de la valeur initiale de la plage de course en %. saisie de la valeur finale de la plage de course en %. Ces fonctions sont ajoutees au menu configuration et peuvent alors etre parametrees. Page 130 4 CONFIGURATION POSITIONNEUR 1067 INPUT reglage en usine 4 20 mA indique le type de signal unitaire selectionne. Options 4 20 mA utilisation de lentree de signal unitaire 4. 20 mA 0 20 mA utilisation de lentree de signal unitaire 0. 20 mA 0 10 V utilisation de lentree de signal unitaire 0. 10 V ACTUATE reglage usine SINGLE, INTERN mode operatoire de la commande de vanne utilisee. Page 131 4 CONFIGURATION Options LINEAR 125 150 251 501 FREE POSITIONNEUR 1067 courbe caracteristique lineaire courbe caracteristique a egal pourcentage avec un rapport de 125.Page 132 4 CONFIGURATION POSITIONNEUR 1067 Fig. Page 137 4 CONFIGURATION POSITIONNEUR 1067 BININ reglage en usine INACTIVE entree binaire binary input Cette fonction additionnelle permet de determiner le mode daction de lentree binaire contact. Options INACTIVE lentree binaire nest pas activee. SAFEPOS save position saisie de la valeur a atteindre par la vanne position de securite. Page 138 4 CONFIGURATION POSITIONNEUR 1067 4.6 Commande manuelle hors tension Les electrovannes integrees au positionneur peuvent egalement etre commandees hors tension, manuellement par des boutons tournants.Ces boutons rouges sont accessibles lorsque le couvercle de lappareil est ouvert. Ils sont situes directement derriere la plaque a bornes electrique. Il y a deux boutons pour les modeles a commande a simple effet et quatre boutons pour les modeles a commande a double effet Fig. 38. Fig. Page 139 4 CONFIGURATION POSITIONNEUR 1067 4.7 Structure du positionneur Fig. Elle est donc relativement defavorable sur le plan dynamique.

Page 144 ANNEXES POSITIONNEUR 1067 Regulateur PID realise Part D avec delai Dans le regulateur du positionneur la part D est realisee avec un delai T. Page 145 ANNEXES POSITIONNEUR 1067 A2 REGLES DAJUSTEMENT POUR LES REGULATEURS PID La litterature technique specialisee dans la regulation donne une serie de regles dajustement qui permettent de determiner experimentalement un reglage favorable des parametres du regulateur. Pour eviter les erreurs de reglage, il est indispensable de toujours tenir compte des conditions dans lesquelles les regles dajustement ont ete etablies. Page 146 POSITIONNEUR 1067 ANNEXES A partir de Kcrit et de Tcrit, les parametres du regulateur peuvent alors etre calcules a l’aide du tableau ciapres. Page 147 POSITIONNEUR 1067 ANNEXES Le tableau ciapres indique les valeurs de reglage pour les parametres du regulateur en fonction de Tu, Tg et Ks pour les regulateurs reagissant a une commande et a une perturbation de meme que pour un processus de regulation aperiodique et un processus de regulation avec depassement de 20 %. Ces regles concernent les circuits a comportement P, avec temps mort et retard du 1er ordre. Please consider the technical attributes. It is excuted in two conductorThe software function Autotune implemented therein enables automatic adaptation of the positioner to the control valve in use. The positioner is parametrized and operated comfortably via three operating keys and a plaintext display. It is possible to set up a decentralized control system if a process controller with PID characteristics is used. As an option, the SideControl Positioner Type 8635 can be supplied with approval for use in the Ex area Zone 1 according to ATEX. Because of its compact and robust design, the housing is suitable for use in chemical and process engineering. Please accept cookie privacy policy first. Something went wrong.Learn more opens in a new window or tab This amount is subject to change until you make payment.

For additional information, see the Global Shipping Program terms and conditions opens in a new window or tab This amount is subject to change until you make payment. If you reside in an EU member state besides UK, import VAT on this purchase is not recoverable. For additional information, see the Global Shipping Program terms and conditions opens in a new window or tab Learn more opens in a new window or tab Learn more opens in a new window or tab Learn more opens in a new window or tab Learn more opens in a new window or tab Learn more opens in a new window or tab The item may be missing the original packaging or The item includes original accessories. The item may be a factory second i.e. it has a small flaw that does not affect the

operation of the item such as a scratch or dent. See the sellers listing for full details and description. Contact the seller opens in a new window or tab and request postage to your location. Please enter a valid postcode. Please enter a number less than or equal to 3. If you dont follow our item condition policy for returns, you may not receive a full refund. Refunds by law In Australia, consumers have a legal right to obtain a refund from a business if the goods purchased are faulty, not fit for purpose or dont match the sellers description. More information at returns. All Rights Reserved. User Agreement, Privacy, Cookies and AdChoice Norton Secured powered by Verisign. Please note the following changes, which come into effect because of this Please consider the technical attributes. In addition, the remote version with the displacement position sensor can be combined with Burkert process control valves. The digital electropneumatic positioner SideControl can be operated with the usual current and voltage standard signals and can also be equipped with the fieldbus interface. The Positioner is equipped with additional diagnostic functions to monitor the state of the valve.

Through status signals, valve diagnostic messages are transmitted according to NAMUR NE 107 recommendations and recorded as history. With the diagnosis, the operating conditions of the control valve can be monitored. This allows planned maintenance and optimises plant availability. Operation occurs via the external operation and display module with a backlit graphical display. The pilot valve system can be used equally for single and doubleacting actuators. It is characterised by a defined safety feature in case of failure of the electrical or pneumatic power supply and possesses an enormous air capacity range with pressure supply up to 7 bar. Please accept cookie privacy policy first. You must have JavaScript enabled in your browser to utilize the functionality of this website. With robust contingency plans now in place it’s business as usual at Northern Industrial. You can check our stock levels, delivery times and prices online, and our delivery partner, FedEx, is available for express UK and international deliveries. We take our responsibility to continue supporting manufacturing and vital supply chains during these exceptional circumstances very seriously. Since 1978 our aim has been to minimise downtime across industry, and never has this been more pertinent. We’ll keep you updated with any developments and wish all our customers, partners and suppliers the very best during this challenging period. Due to the age of some of our obsolete items, original packaging seals may be broken. Our sales team are happy to confirm the status of the packaging before purchase. Items classed as new are backed up by Northern Industrial’s renowned comprehensive 12month warranty. Peace of mind guaranteed! This means that all of the key serviceable components have been replaced with highquality new ones. The items are then cleaned, thoroughly tested and come with a full 12month warranty.

Our standard repair service offers great value for money while our express service is geared for customers in a breakdown situation. During the repair process, our engineers will perform a full preventative maintenance service to ensure longevity. All of the key serviceable components are replaced with highquality new ones and the items are then cleaned and thoroughly tested. All repairs are backed by the same great 12month warranty we provide with new items! All other new components and parts supplied by us are sourced independently by our expert procurement team and are backed by our renowned comprehensive 12month warranty. We are not an authorized distributor, reseller or representative for any manufacturer listed on the website. We’ve helped companies big and small overcome downtime with longlasting repairs, and can help you too. Our repair service includes If we cant fix it, you dont pay anything. With no hidden charges or inspection fees, you can be sure of no hidden nasty surprises. For heavier items and palette shipments, a bespoke shipping cost will be provided. Get in touch with our customer care team who will be happy to expedite your order where possible. Select a destination from the drop down below to see the typical lead time for this part to reach any country in the world. You could save up to 60% on this part. First Name Last Name Email Please enter a valid email Telephone optional Message optional I consent to receiving email updates Get a Free Quote Get a Quick Quote Enter your details and well email you a quote. You could save up to 60% on this part. First Name Last Name Email Please enter

a valid email Telephone optional Message optional I consent to receiving email updates Get a Free Quote Discover more about our repair service. Speak to a repair expert now. Whether by phone, chat, or email, were ready to get you back up and running. We are not an authorized distributor, reseller or representative for any manufacturer listed on the website.

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