

# Electro-Pneumatic Positioner TZIDC-120

10/18-0.24 EN

Intelligent Positioner for FOUNDATION Fieldbus

Ordering information										Code	USD	Deliv. time	
<b>Electro-Pneumatic Positioner TZIDC-120</b> intelligent, configurable with indicator and operator panel		Catalog No. <b>V18347-</b>								<b>0</b>			
<b>Case/Mounting</b> Case made of aluminium, varnished, protection IP 65 (NEMA 4X) For mounting to linear actuators acc. to DIN/IEC 534 / NAMUR or to rotary actuators acc. to VDI/VDE 3845, also ready for integral mounting As above, but with mechanical position indicator For mounting to rotary actuators acc. to VDI/VDE 3845 with extended rotation angle up to 270° As above, but with mechanical position indicator													
		1											
		2											
		5											
		6											
<b>Note:</b> Special mounting material is required (see "Accessories")													
<b>Input/communication port</b> FOUNDATION Fieldbus													
		4											
<b>Explosion protection</b> without ATEX EEx ia IIC T6 FM/CSA (under preparation) ATEX EEx n A II T6 IECEX Ex ia IIC T6 IECEX Ex nA II T6 other explosion protection certificates upon request													
		0											
		1											
		2											
		4											
		5											
		6											
<b>Output/safe position (in case of an electrical power failure)</b> Single acting, fail safe fail freeze Double acting, fail safe fail freeze													
		1											
		2											
		4											
		5											
<b>Connections</b> Cable: Thread 1/2-14 NPT    Air pipe: Thread 1/4-18 NPT Cable: Thread M20 x 1,5    Air pipe: Thread 1/4-18 NPT Cable: Thread M20 x 1,5    Air pipe: Thread G 1/4													
		2											
		5											
		6											
<b>Optional shutdown module</b> Without Plug-in module for shutdown module													
		0											
		4											
<b>Optional mechanical kit for digital position feedback</b> Without Mechanical kit for digital feedback With proximity switches SJ2-SN (NC or logical 1) With proximity switches SJ2-S1N (NO or logical 0) With 24 V DC/AC microswitches (change-over contacts)													
		0											
		2)				1							
		2) 3)				3							
		1) 2)				5							

- 1) not for explosion protected version
- 2) only for model with mechanical position indicator
- 3) only for ambient temperature range -25 °C to +85 °C

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Standard Products=   
Consult Factory = CF

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10/18-0.24 EN

Intelligent Positioner for FOUNDATION Fieldbus

Ordering information (continued)				Catalog No.	Code	USD	Deliv. time
<b>Electro-Pneumatic Positioner TZIDC-120</b> intelligent, configurable with indicator and operator panel				V18347-00000000000000			
<b>Design (varnish/coding)</b>							
Standard					1		
Special version chemistry (details on request)					E		
As specified (on request)							
<b>Certificates</b>							
Certificate of compliance with the order acc. to EN 10204-2.1 (DIN 50049-2.1)					CF1		
Certificate of compliance with the order acc. to EN 10204-2.1 (DIN 50049-2.1) with item description					CF2		
Test Report acc. to EN 10204-2.2 (DIN 50049-2.2)					CF3		
Constructors test certificate O acc.to DIN 55350-18-4.2.2					CH1		
Constructors test certificate M acc.to DIN 55350-18-4.2.2 with item description					CH3		
Constructors test certificate M acc.to DIN 55350-18-4.2.2 with item description and diagram					CH4		
Inspection Certificate 3.1B acc. to EN 10204 with max. deviation					CBA		
Inspection Certificate 3.1B acc. to EN 10204 with add. data and item description					CBB		
Test Certificate & Letter of Conformity with item description					CTC		
<b>Device identification label</b> includes lettering (plain text, max. 16 letters)							
stainless steel 11.5 x 60 mm					MK1		
sticker 41 x 32 mm					MK2		
sticker 11 x 25 mm					MK3		

Accessories				Catalog No.	Code	USD	Deliv. time
<b>Mounting material and cost</b>							
Attachment kit for linear actuators (lateral attachment to DIN/IEC 534 / NAMUR)							
Stroke 10... 35 mm				7959125			
Stroke 20 ... 100 mm				7959126			
Attachment kit for integral mounting to							
23/24 and 23/25 cont. valve DN 15 up to DN 100, stroke 10...35 mm				7959106			
DN 125 up to DN 150, stroke 25...65 mm				7959107			
23/26 control valve DN 25 up to DN 100, stroke 10...35 mm				7959108			
DN 125 up to DN 162, stroke 25...65 mm				7959109			
Attachment kit for rotary actuators (mounting to VDI/VDE 3845), consisting of							
a) Adapter (shaft coupler)				7959110			
b) Mounting bracket, dimensions A/B = 80/20 mm				319603			
A/B = 80/30 mm				319604			
A/B = 130/30 mm				319605			
A/B = 130/50 mm				319606			
Mounting cost, material and adjustment							
for mounting to linear actuators to DIN/IEC 534 / NAMUR							
or to rotary actuators to VDI/VDE 3845							
External tubing with Plastic tube				319628			
Copper pipe				319629			
Stainless steel pipe				319630			
for integral mounting to 23/24, 23/25 or 23/26 control valves							
Internal tubing				319627			
External tubing with Copper pipe 1)				7959015			
Stainless steel pipe 1)				7959016			

1) External tubing only for 23/24 and 23/25 control valves with "air to close/spring to open" action, otherwise internal tubing only.

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<b>Accessories</b>			
	Catalog No.	USD	Deliv. time
<b>Pressure gauge block</b>			
Pressure gauge block, including attachment material			
for single acting TZIDC-120, with 2 pressure gauges Ø 28 mm (1 x for air supply and 1 x for output pressure)			
G 1/4 connections	Supply pressure range 0...10 bar/ 0...140 psi		
	Output pressure range 0...4 bar/ 0...60 psi	7959111	
	Output pressure range 0...10 bar/ 0...140 psi	7959112	
1/4-18 NPT connections	Supply pressure range 0...10 bar/ 0...140 psi		
	Output pressure range 0...4 bar/ 0...60 psi	7959113	
	Output pressure range 0...10 bar/ 0...140 psi	7959114	
for double acting TZIDC-120, with 3 pressure gauges Ø 28 mm (1 x for air supply and 2 x for output pressure)			
G 1/4 connections	Supply pressure range 0...10 bar/ 0...140 psi		
	Output pressure range 0...4 bar/ 0...60 psi	7959115	
	Output pressure range 0...10 bar/ 0...140 psi	7959116	
1/4-18 NPT connections	Supply pressure range 0...10 bar/ 0...140 psi		
	Output pressure range 0...4 bar/ 0...60 psi	7959117	
	Output pressure range 0...10 bar/ 0...140 psi	7959118	
(Pressure gauge blocks are delivered as separate units for mounting by the customer)			
<b>Filter regulator</b>			
Brass filter regulator, incl. material for mounting to pressure gauge block			
Connections	Thread G 1/4	7959119	
	Thread 1/4-18 NPT	7959120	
(Filter regulators are delivered as separate units for mounting by the customer)			
<b>Option modules (can be added later)</b>			
Plug-in module for shutdown function		7959199	
Kit for	mechanical position indicator (including front cover with glass)	7959130	
Kit for	digital position feedback (including front cover with mechanical position indicator)		
	with 24 V DC/AC microswitches (change-over contacts)	7959191	
	with proximity switches SJ2 - SN (NC or logical 1)	7959131	
	SJ2 - S1N (NO or logical 0)	3) 7959132	
Kit for	digital position feedback		
	with 24 V DC/AC microswitches (change-over contacts)	1) 7959190	
	with proximity switches SJ2 - SN (NC or logical 1)	1) 7959133	
	SJ2 - S1N (NO or logical 0)	1) 3) 7959134	
<b>Spare parts</b>			
Spare parts kit		7959198	
I/P module (single acting, fail safe)		2) 7958510	
I/P module (single acting, fail freeze)		2) 7958511	
I/P module (double acting, fail safe)		2) 7958512	
I/P module (double acting, fail freeze)		2) 7958513	

1) only fits for basic model with mechanical position indicator

2) explosion protected version only

3) only for ambient temperature range -25 °C to +85 °C

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Consult Factory = CF