



FLOWSERVE

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USER INSTRUCTIONS

Logix™ 3800
Digital Positioner

FCD LGENIM0112-04 06/18

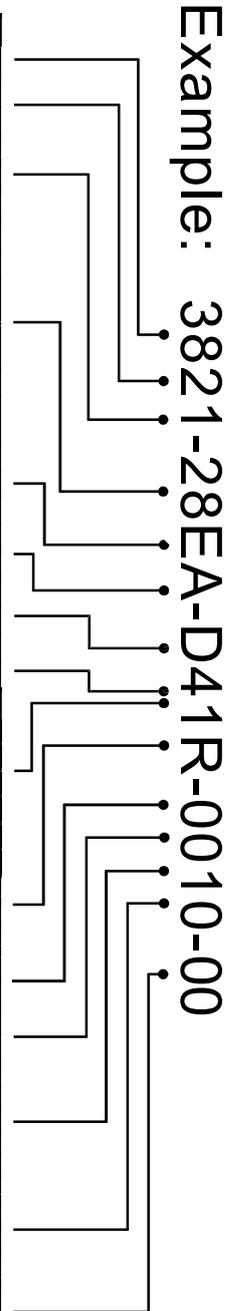
Installation
Operation
Maintenance
Safety





Table 26: Logix 3800 Positioner Model Code

Selection	Description	Code
Base Model	Logix 3800 Series	38
Communication	HART ¹	2
	Foundation Fieldbus	4
Housing	Aluminum – IS	0
	Aluminum – Ex d	1
	Stainless Steel – Ex d	2
Certifications	General Purpose	14
	ATEX / IECEx Explosion Proof, Intrinsically Safe, Non-Incendive ^{5,8}	28
	FM/US/Canada Ex Proof Class and Division B-D to -40°C; Ex d IIC -50°C Intrinsically Safe and Non-Incendive IIC to -55°C ^{5,8}	34
	Intrinsically Safe, Non-Incendive ATEX / IECEx and FM/US/Canada for (Only applies for Aluminum IS housing option) ^{3,8}	37
	Ex d, Non-Incendive ⁵	43
	FM/US/ Class and Division Group A- D to -50°C; FM/Canada Group B-D to -50°C ^{5,8}	45
Threaded Connections	Mounting: 5/16" 18 UNC, Pneumatics: 1/4" NPT, Conduit: 1/2" NPT, Vents 1/4" NPT	E
	Mounting: M8 x 1.25, Pneumatics: 1/4" NPT, Conduit: M20 x 1.5, Vents 1/4" NPT	M
	Mounting: M8 x 1.25, Pneumatics: G 1/4", Conduit: M20 x 1.5, Vents G1/4"	G
Actuation Medium	Air	A
	Natural Gas	G
Relay Type	Double Acting, Standard ⁶	D
	Double Acting, Low Bleed (Natural Gas) ⁷	L
Actuator Action	Four-Way (Double Acting)	4
	Three-Way (Single Acting)	3
Pressure Gauges	No Gauges	0
	Nickel Plated with Brass Internals, psi (bar/kPa) Sealed and purged	1
	Nickel Plated with Brass Internals, psi (kg/cm ²) Sealed and purged	2
	SS with Brass Internals, psi (bar/kPa) Sealed and purged	3
	SS with Brass Internals, psi (kg/cm ²) Sealed and purged	4
	UCC Press Test Plug, 1/8" NPT	A
	Valve, Tank, Schrader 645A	B
Gauge Orientation	No Gauges	0
	Gauges oriented for display on the right side of the positioner.	R
	Gauges oriented for display on the left side of the positioner.	L
Diagnostics	Standard Diagnostics (Standard Functionality) ²	0
	Pro-Diagnostics (Full Functionality)	1
Display	No LCD ⁸	0
	LCD	1
Feedback Shaft	No Feedback Shaft	0
	D - 316 Stainless Steel Shaft (Valtek Standard)	1
	NAMUR - 316 Stainless Steel Shaft (VDI/VDE 3845)	2
	DD - 316 Stainless Steel Shaft (Logix 3200/3400 retrofit mounting)	3
	NAF - 316 Stainless Steel Shaft	4
Mounting	Standard Mounting	0
	Direct Mounting Block	D
	VDI/VDE 3847 Manifold ³	V
	Remote Mount Option ⁴	R
Special Options	No Special Options	00
	Special Options	ZZ



¹ HART 6 standard. Can be configured as HART 7 in the field. ⁵ Only available with Ex d Housing.
² Can be upgraded to Pro Diagnostics in the field. ⁶ Relay is not for use with natural gas.
³ Available with Aluminum I.S. housing only. ⁷ Relay may be used for three way, single acting actuators
⁴ See note 8 for certification compatibility. Must have LCD. ⁸ Not available with Remote Mount option.