



Type 500X I/P Transducer Product Announcement

Dear Valued Partner,

Our Type 500X product line is undergoing a part numbering change. Currently, all 4-20mA signal Type 500X's use a circuit board that will support a FM Approvals Intrinsically Safe listing. We will now offer a standard circuit board that will be considered "General Purpose" and not for use in hazardous environments. We are doing this for several reasons, including changes to Intrinsically Safe certification requirements from FM Approvals, as well as increasing our product availability in the coming months due to possible shortages in the Intrinsically Safe circuit board. Please note that this change only affects the 4-20 mA boards and not the voltage-driven ones.

After April 1st, we reserve the right to convert all open orders to the general-purpose unit. We have reached out to some customers with this change and have noted their requests. This letter does not change those commitments. We ask that if you feel you require the FM Approvals listed product, please let us know by March 14th and we will plan accordingly. Currently, all 4-20 mA Type 500X units are FM Approvals listed. Please note that there will be a price difference on future orders for the listed Type 500X (FM Approvals intrinsically safe approval). Please see link to price list below to review the differences.

Below you will find the new model code system. As stated before, the current units that use a 4-20 mA input, are all FM Approvals listed intrinsically safe. If you presently order a Type 500-AC (or any other 4-20mA unit) and need **FM Approvals Intrinsically Safe**, from now on, you would order a 500-ACH. **Please note the intrinsically safe units will now come standard with a Nema 4x/IP 65 enclosure.** If you need a general-purpose unit without a FM Approvals Intrinsically Safe approval, the model code will be 500-AC. If you need that general-purpose unit with an optional Nema 4x rating, the part number would be 500-ACW.

ControlAir
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Call Us: (603) 886-9400 or (800) 216-3636

New Part Number Configuration for Intrinsically Safe Units

General Purpose Type 500X I/P Transducers (non-hazardous area)

Model		Options	
500 - [] [] []			
Input Signal	Output	psig	bar
A 4-20 mA	A	3-9	0.20-0.6
	B	9-15	0.6-1.0
	C	3-15	0.20-1.0
	D	3-27	0.20-1.8
	E	6-30	0.40-2.0
	F	1-17	0.10-1.2
	G	2-60*	0.14-4.1
	H	3-120*	0.20-8.2
			D DIN 43650 connector
			W Nema-4X/IP65
			U 1/4" BSP Porting
			Note: Options "D" and "W" cannot be combined.

Intrinsically Safe Type 500X

With FM Approvals (FM) Intrinsically Safe Area Approvals
Nema-4X/IP65 Enclosure, Conduit Connection only.

Model		Options	
500 - A [] H [] []			
Input Signal	Output	psig	bar
A 4-20 mA	A	3-9	0.20-0.6
	B	9-15	0.6-1.0
	C	3-15	0.20-1.0
	D	3-27	0.20-1.8
	E	6-30	0.40-2.0
	F	1-17	0.10-1.2
	G	2-60*	0.14-4.1
	H	3-120*	0.20-8.2
	L	15-3	1.0-0.20
	M	27-3	1.8-0.20
	N	30-6	2.0-0.40
			U 1/4" BSP Porting
			Agency Approvals
			H FM Approvals Intrinsically Safe (Conduit Connection only)
			*Output shown as calibrated at the factory. Large span adjustment capability allows recalibration to achieve output ranges from 3-35 psig (0.2-2.4 bar) with 2-60 psig unit to 3-145 psig (0.2-10 bar) with 2-120 psig unit.

The voltage-driven Type 500X units have never been FM Approvals listed for intrinsically safe applications. Please find the model code below. This has not changed from the current model code system.

General Purpose Type 500X E/P Transducers (non-hazardous area)

Model		Options	
500 - [] [] []			
Input Signal	Output	psig	bar
C 0-5 Vdc	C	3-15	0.20-1.0
	D	3-27	0.20-1.8
	E	6-30	0.40-2.0
	G	2-60*	0.14-4.1
D 1-9 Vdc	C	3-15	0.20-1.0
	D	3-27	0.20-1.8
	E	6-30	0.40-2.0
E 0-10 Vdc	H	3-120*	0.20-8.2
			D DIN 43650 connector
			W Nema-4X/IP65
			U 1/4" BSP Porting
			Note: Options "D" and "W" cannot be combined.

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