

X2 Series - Hazardous Area Approvals

The REXA **X2 Series** consists of two major components, the mechanical sub-assembly (cylinder, feedback and power module) and the electrical sub-assembly (i.e. control enclosure). The mechanical sub-assembly is installed on the driven device, while the electrical sub-assembly is remotely mounted. The assemblies are connected by the motor/module and feedback cables.

Mechanical and electrical sub-assemblies are offered with numerous options and a variety of construction options. The “standard” construction is designed to meet most industrial applications including NEMA 4 or 4X requirements. For those applications in hazardous locations; X2 assemblies are available in varying combinations as listed under Model Number below.

Products that meet this requirement will bear the CSA mark shown with adjacent indicators ‘C’ and ‘US’. This signifies that the product is certified for both the U.S. and Canadian markets, to the applicable U.S. and Canadian standards.



Product Identification

The model number, mechanical build code, electrical build code and serial numbers are all used to identify an individual actuator and electronics. The model number provides a general description of the actuator and electronics as a set. The build codes provide more detailed information of the components used in the construction of the actuator

Model Number

The X2 Series model number provides a basic description of the product. The addition of the X2 prefix helps differentiate the X2 from the original Xpac. Units constructed to meet hazardous location requirements include an additional “C” code after a 4th dash (see codes below). Please refer to product bulletins or section 1 of the X2 Installation and Operation Manual (IOM) for additional information on the Model Number.

<u>Code</u>	<u>Mechanical Sub-Assembly (MSA)</u>	<u>Electrical Sub-Assembly (ESA)</u>
CA	X2 - Class I, Div. 2, Groups A, B, C, D	X2 - NEMA 4 or 4X
C2	X2 - Class I, Div. 2, Groups A, B, C, D	X2 - Class I, Div. 2, Groups A, B, C, D
C1	X1 - Class I, Div. 1, Groups B, C, D	X2 - NEMA 4 or 4X
C5	X1 - Class I, Div. 1, Groups B, C, D	X2 - Class I, Div. 2, Groups A, B, C, D

Build Code

The build code is used to designate in complete detail the construction of each unit. From this number all configurations can be defined. There are two different categories of build codes; one for the mechanical sub-assembly and one for the corresponding electrical sub-assembly. Position 13 of the mechanical build code designates if a unit is constructed to hazardous location requirements, while Position 4 defines this for the electrical sub-assembly. Please refer to Appendix H of the X2 Installation and Operation Manual (IOM) for additional information on build codes.

Availability

CSA construction is available for most, but not all X2 product configurations. The following options are *not* available for CSA hazardous location equipment:

- Direct Current Power Supply (ESA position 2 = D, E, F or G)
- Quick Disconnect Cables (MSA pos. 10 = Q / ESA pos. 14 = Q or R)
- High Temperature Construction (MSA pos. 8 = H or T / ESA pos. 8 = H)