

CSA APPROVED PRODUCTS

Actuator	Comments	Approved Ratings
SM-1015	Not available with battery backup, 3 wire incremental input, or signal conversion modules.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
SM-1020	Not available with HART Communication Protocol, battery backup, 3 wire incremental input, or signal conversion modules.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
	Hydrogen "heavy wall enclosure"	Class I, Group B, C & D Class II, Group E, F & G Ex d IIB + Hydrogen CSA Enclosure 4. Max. ambient temperature: 65°C
SM-1110	Maximum of four position switches. Not available with battery backup or 12-36 Vdc input.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
SM-1120	Maximum of four position switches. Not available with battery backup or 12-36 Vdc input.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
SM-1140	Maximum of four position switches. Not available with battery backup or 12-36 Vdc input.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
SM-1150	Maximum of four position switches. Not available with battery backup or 12-36 Vdc input.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
SM-1170	Maximum of four position switches. Not available with battery backup or 12-36 Vdc input.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
SM-1520	Maximum of four position switches.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
SM-1530	Maximum of four position switches.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
SM-1540	Maximum of four position switches.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
SM-1550	Maximum of four position switches.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
SM-1590	Maximum of four position switches.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
SM-1630	Maximum of four position switches.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
SM-1650	Maximum of four position switches.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
SM-1730	Not available with local position indicator, contactless feedback or Auto/Manual or INC/OFF/DEC switches	Class II, Div. 1, Group E, F & G CSA Enclosure 4.
SM-1740	Not available with local position indicator, contactless feedback or Auto/Manual or INC/OFF/DEC switches	Class II, Div. 1, Group E, F & G CSA Enclosure 4.
SM-1750	Not available with local position indicator, contactless feedback or Auto/Manual or INC/OFF/DEC switches	Class II, Div. 1, Group E, F & G CSA Enclosure 4.

Actuator	Comments	Approved Ratings
LA-1020	Not available with HART Communication Protocol, battery backup, 3 wire incremental input, or signal conversion modules.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
	Hydrogen "heavy wall enclosure"	Class I, Group B, C & D Class II, Group E, F & G Ex d IIB + Hydrogen CSA Enclosure 4. Max. ambient temperature: 65°C
LA-1110	Maximum of four position switches. Not available with battery backup or 12-36 Vdc input.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
LA-1140	Maximum of four position switches. Not available with battery backup or 12-36 Vdc input.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
LA-1170	Maximum of four position switches. Not available with battery backup or 12-36 Vdc input.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
LA-2320	Maximum of four position switches. Not available with contactless feedback.	Class II, Div. 1, Group E, F & G CSA Enclosure 4.
LA-2390	Maximum of four position switches. Not available with contactless feedback.	Class II, Div. 1, Group E, F & G CSA Enclosure 4.
LA-2410	Maximum of four position switches. Not available with contactless feedback.	Class II, Div. 1, Group E, F & G CSA Enclosure 4.
LA-2420	Maximum of four position switches. Not available with contactless feedback.	Class II, Div. 1, Group E, F & G CSA Enclosure 4.
LA-2440	Maximum of four position switches. Not available with contactless feedback.	Class II, Div. 1, Group E, F & G CSA Enclosure 4.
LA-2450	Maximum of four position switches. Not available with contactless feedback.	Class II, Div. 1, Group E, F & G CSA Enclosure 4.
LA-2490	Maximum of four position switches. Not available with contactless feedback.	Class II, Div. 1, Group E, F & G CSA Enclosure 4.
LA-2510	Not available with drag brake, ball screw or contactless feedback.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
LA-2520	Not available with drag brake, ball screw or contactless feedback.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
MC-1110	Maximum of four position switches. Not available with battery backup or 12-36 Vdc input.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
MC-1140	Maximum of four position switches. Not available with battery backup or 12-36 Vdc input.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
MC-1170	Maximum of four position switches. Not available with battery backup or 12-36 Vdc input.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
SM-LA-3330	Maximum of four position switches.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
SM-LA-3350	Maximum of four position switches.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.

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Actuator	Comments	Approved Ratings
MV-1005	Not available with battery backup, 3 wire incremental input, yoke bases or signal conversion modules.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
MV-1010	Not available with battery backup, 3 wire incremental input, yoke bases or signal conversion modules.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
MV-1020	Not available with HART Communication Protocol, battery backup, 3 wire incremental input, yoke bases or signal conversion modules.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
	Hydrogen "heavy wall enclosure"	Ex d IIB + Hydrogen Max. ambient temperature: 60°C
MV-1110	Maximum of four position switches. Not available with battery backup or 12-36 Vdc input.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
MV-1120	Maximum of four position switches. Not available with battery backup or 12-36 Vdc input.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
MV-1140	Maximum of four position switches. Not available with battery backup or 12-36 Vdc input.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
MV-1170	Maximum of four position switches. Not available with battery backup or 12-36 Vdc input.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
MV-1510	Maximum of four position switches.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
MV-1550	Maximum of four position switches.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
MV-1570	Maximum of four position switches.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
VA-1010	Not available with battery backup, 3 wire incremental input, or signal conversion modules.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
VA-1020	Not available with HART Communication Protocol, battery backup, 3 wire incremental input, or signal conversion modules.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
	Hydrogen "heavy wall enclosure"	Class I, Group B, C & D; Class II, Group E, F & G; Ex d IIB + Hydrogen; CSA Enclosure 4. Max. ambient temperature: 65°C
VA-1630	Maximum of four position switches.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
VA-1650	Maximum of four position switches.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
PF/PT-1010	Not available with 120 or 240 Vac power supply.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.
PT-1330	Not available with 120 or 240 Vac power supply, limit switches or heater.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G CSA Enclosure 4.

FM APPROVED PRODUCTS

Actuator	Comments	Approved Ratings
SM-1015	Not available with process variable option, battery backup, 3 wire incremental input, or signal conversion modules.	Class I, Div. 1, Group C & D Class II/III, Div. 1, Group E, F & G NEMA 4
SM-1020		
SM-1680	Solar wellhead versions only.	Class I, Div. 1, Group C & D Class II, Div. 1, Group E, F & G NEMA 4, T6, Maximum Ambient Temperature: 60°C
LA-1020	Not available with battery backup, 3 wire incremental input, or signal conversion modules.	Class I, Div. 1, Group C & D Class II/III, Div. 1, Group E, F & G NEMA 4
MV-1005	Not available with battery backup, 3 wire incremental input, signal conversion modules, or yoke base.	Class I, Div. 1, Group C & D Class II/III, Div. 1, Group E, F & G NEMA 4
MV-1010		
MV-1020		
VA-1010	Not available with battery backup, 3 wire incremental input or signal conversion modules.	Class I, Div. 1, Group C & D Class II/III, Div. 1, Group E, F & G NEMA 4
VA-1020	Not available with battery backup, 3 wire incremental input or signal conversion modules.	Class I, Div. 1, Group C & D Class II/III, Div. 1, Group E, F & G NEMA 4

CE APPROVED PRODUCTS

Actuator	Comments	Approved Ratings
SM-1015	Not available with battery backup or signal conversion modules.	CE
SM-1020	Not available with battery backup or signal conversion modules.	CE
	Hydrogen "heavy wall enclosure".	CE
SM-1530	Requires additional filtering.	CE
SM-1550	Requires additional filtering.	CE
SM-1590	SM-1590-N requires additional filtering.	CE
SM-1630	Requires additional filtering.	CE
SM-1650	Requires additional filtering.	CE
SM-1720	Requires additional filtering. Maximum of six position switches. Not available with contactless feedback.	CE
SM-1730	Requires additional filtering. Maximum of six position switches. Not available with contactless feedback.	CE
SM-1750	Requires additional filtering. Maximum of six position switches. Not available with contactless feedback.	CE
SM-5150	Requires additional filtering. Not available with contactless feedback.	CE
SM-5190	Requires additional filtering. Not available with contactless feedback.	CE
LA-1020	Not available with battery backup or signal conversion modules.	CE
	Hydrogen "heavy wall enclosure".	CE
LA-2410	Requires additional filtering. Not available with contactless feedback.	CE
LA-2420	Requires additional filtering. Not available with contactless feedback.	CE
LA-2450	Requires additional filtering. Not available with contactless feedback.	CE
LA-2490	Requires additional filtering. Not available with contactless feedback.	CE
LA-5150	Requires additional filtering. Not available with contactless feedback.	CE
LA-5190	Requires additional filtering. Not available with contactless feedback.	CE
MV-1010	Not available with battery backup or signal conversion modules.	CE
MV-1020	Not available with battery backup or signal conversion modules.	CE
	Hydrogen "heavy wall enclosure".	CE
VA-1010	Not available with battery backup or signal conversion modules.	CE
VA-1020	Hydrogen "heavy wall enclosure".	CE

ATEX APPROVED PRODUCTS

Actuator	Comments	Approved Ratings
SM-1015, SM-1020, MV-1010, MV-1020, LA-1020, VA-1015 & VA-1020	Available for input voltages 1, 2 & 6. Not available with process variable option, battery backup, 3 wire incremental input, or signal conversion modules.	ATEX Approval
SM-1590-N & SM-1590-D	240 Vac input voltage	ATEX Approval

CERTIFICATE OF COMPLIANCE

This is to certify that the Quality Management System of:

JORDAN CONTROLS, INC.
5607 W. DOUGLAS AVENUE
MILWAUKEE, WI 53218

has been assessed by ABS Quality Evaluations, Inc. and found to be in compliance with the requirements set forth by:

ISO 9001:2000

The Quality Management System is applicable to:

DESIGN AND MANUFACTURE OF POSITION CONTROL PRODUCTS

Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2000 requirements may be obtained by consulting the organization

Certificate No.: 30866
Original Certification Date: 08 January 1996
Effective Date: 19 August 2003
Expiration Date: 14 December 2003
Issue Date: 20 August 2003


Robert W. Gilman, President



Validity of this certificate is based on periodic audits of the management system defined by the above scope and is contingent upon prompt, written notification to ABS Quality Evaluations, Inc. of significant changes to the management system or components thereof.

ABS Quality Evaluations, Inc. 16855 Northchase Drive, Houston, Texas 77060 U.S.A.





Certificate of Compliance

Certificate: 1032440 (LR 38878-23) **Master Contract:** 157504
Project: 1258595 **Date Issued:** February 06, 2002
Issued To: Jordan Controls, Inc.
5607 W. Douglas Ave.
Milwaukee, WI 53218
USA
Attention: Mr. Bob Yach

The products listed below are eligible to bear the  Mark shown



Issued by: 
Sorin Tat
Hazardous Location Team
Authorized by: 
Nick Alfano
Operations Manager

PRODUCTS

- CLASS 3218 06 - INDUSTRIAL CONTROL EQUIPMENT - Miscellaneous Apparatus - For Hazardous Locations**
Class I, Groups C and D; Class II, Groups E, F and G; Encl Type 4:
- Rotary or Linear 1000 Series Actuators, Models SM-1010, SM-1020, MV-1010, MV-1020, LA-1010, LA-1020, VA-1010, VA-1020, MV-1005, SM-1015, LA-1015, VA-1015 and MC-10796, rated 120/240V ac, 50-60Hz, 23W or 65W max, operation ambient 65C. May be used with an optional signal conversion unit Model EC-10797. May also be used with an external gear box mounted to the base of the SM-1020.
- CLASS 3218 06 - INDUSTRIAL CONTROL EQUIPMENT - Miscellaneous Apparatus - For Hazardous Locations**
Class I, Groups BCD; Class II, Groups EFG, CSA Enclosure Type 4, Max Ambient 40C:
Class I, Zone I, Ex d IIB + Hydrogen:
- Linear and Bi-Directional Actuator Model MV-1020, rated 120/240V ac, 50-60Hz, 23W or 65W maximum, Max Ambient 60C.
 - Rotary Actuator Model SM-1020 (with GB option), VA-1020 and LA-1020, rated 120/240V ac, 50-60Hz, 23W or 65W max, Max Ambient 65C.



CERTIFICATE OF CONFORMANCE

5607 West Douglas Avenue
Milwaukee, WI 53218
USA

Customer: _____ **Jordan Ref #:** _____
Customer P.O. #: _____ **Date Shipped:** ___/___/___

* PREVIOUSLY SHIPPED UNIT

AMPLIFIER INFORMATION

Model #: _____ **IM:** _____

ACTUATOR INFORMATION

Sales Code: _____
Model #: _____ **Serial #:** _____
Installation Dwg: _____ **Wiring Dia:** _____
IM: _____ **Enclosure:** _____ **Input Voltage:** _____
Full Load Current Rating: _____ **Power On/Smoke:** _____
Control Signal: _____ **Position For Inc Signal:** _____
Feedback Device(s): _____ **Spring Return Direction:** _____
Heater Rating: _____ **# of Limit Switches:** _____
Torque/Thrust Protection: yes _____ no _____ **Rated load:** _____
Torque/Thrust Load: Extend/CW: _____ Retract/CCW: _____
No Load Shift Time/Rate: Extend/CW: _____ Retract/CCW: _____

VALVE INFORMATION

Mfg: _____ **Size:** _____ **Model#:** _____
Serial #: _____ **Tag #:** _____ **Orientation Per Specs:** _____
Valve Supplied By: _____

* We certify that the part listed above was inspected for conformance to the data as shown at the time of shipment. Raw test data is no longer available. Data was obtained from our files based upon original customer specifications.

NAME: _____ **DATE:** ___/___/___
TITLE: _____