



Certificate of Compliance

Certificate: 70014955

Master Contract: 258948

Project: 80226744

Date Issued: October 8, 2024

Issued to: A-T Controls
9955 International Blvd.
Cincinnati, Ohio 45246
United States

Attention: Ron Ruehlmann

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only



Issued by: Tammy Klinger
Tammy Klinger

PRODUCTS

CLASS 3218 06 INDUSTRIAL CONTROL EQUIPMENT – Miscellaneous Apparatus – For Hazardous Locations

CLASS 3218 86 INDUSTRIAL CONTROL EQUIPMENT – Miscellaneous Apparatus – For Hazardous Locations – Certified to US Standards

**Class I, Division 1, Groups C & D T6;
Class I, Zone 1, AEx db IIB, T6 Gb;
Ex db IIB T6 Gb**

TRIAC Valve position indicator model **APL-4aaN** rated per table below:
Enclosure Type 4X/6, IP 66/67/68 (10 m, 72 hrs).



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Where:

aa	Switch Type	Switch model number	Ambient temp.	Electrical ratings
10	2-SPDT	ZIPPY VA2-16	-40°C to +60°C	250V max, 4A max
		Wonwoo SZM-V16-5FA	-25°C to +60°C	250V max, 4A max
11	3-SPDT	ZIPPY VA2-16	-40°C to +60°C	250V max, 4A max
		Wonwoo SZM-V16-5FA	-25°C to +60°C	250V max, 4A max
12	4-SPDT	ZIPPY VA2-16	-40°C to +60°C	250V max, 4A max
		Wonwoo SZM-V16-5FA	-25°C to +60°C	250V max, 4A max
13	2-SPST	ZIPPY VA2-16	-40°C to +60°C	250V max, 4A max
		Wonwoo SZM-V16-5FA	-25°C to +60°C	250V max, 4A max
14	2-DPDT	Omron DZ-10GW-1B	-25°C to +60°C	250V max, 4A max
15	2-SPDT + Potentiometer	ZIPPY VA2-16	-40°C to +60°C	250V max, 4A max
		Wonwoo SZM-V16-5FA	-25°C to +60°C	250V max, 4A max
16	2-SPDT + Signal Unit	ZIPPY VA2-16	-40°C to +60°C	250V max, 4A max
		Wonwoo SZM-V16-5FA	-25°C to +60°C	250V max, 4A max
18	2-SPDT	Omron VX-01-xC2x	-25°C to +60°C	30Vdc max, 0.1A max
20	Proximity sensor	P&F NJ2-V3-N	-25°C to +60°C	8.2V nom, 15mA nom.
21	Proximity sensor	Autonics PS17-5DxU	-25°C to +60°C	10-30Vdc, 2-100mA
22	Proximity sensor	P&F NJ4-12GM-N	-25°C to +60°C	8.2V nom., 15mA nom.
23	Proximity sensor	P&F NBBx-V3-Zx	-25°C to +60°C	30Vdc max, 100mA max.
25	Proximity sensor+ Potentiometer	P&F NJ2-V3-N	-25°C to +60°C	8.2V nom, 15mA nom.
26	Proximity sensor + Signal Unit (4~20mA)	P&F NJ2-V3-N	-25°C to +60°C	8.2V nom, 15mA nom.
27	Proximity sensor	P&F NBBx-V3-Ex	-25°C to +60°C	30Vdc max, 100mA max.
28	Proximity sensor	P&F NJx-1xxx-N-xxx	-25°C to +60°C	8.2V nom, 15mA nom
29	Proximity sensor	P&F NJ4-12GK-SN	-40°C to +60°C	8.2V nom, 15mA nom
30A	Reed switch	MEC MS-B301	-40°C to +60°C	200 Vdc, 0.5A max
30B	Reed switch	MK21 model 85	-40°C to +60°C	250 V max, 1A max
31	Reed switch	MK21 model 66	-40°C to +60°C	180 V max, 0.5A max
32	Reed switch	MK21 model 90	-40°C to +60°C	175 V max, 0.5A max
34	Reed switch	HKC APH-634W	-40°C to +60°C	120 Vdc, 3.5A max
35	Reed switch	HKC APH-933W	-40°C to +60°C	500 Vdc, 3A max
36	Reed switch	HKC APH-27103	-40°C to +60°C	500 Vdc, 1A max
40	Inductive slot sensor	P&F SJ3,5-SN	-40°C to +60°C	8.2V nom, 15mA nom
H1	2-SPDT	Honeywell 11SX22-T	-40°C to +60°C	250 V max, 4A max
H2	2-SPDT	Honeywell 12SX1-T	-40°C to +60°C	125 V max, 1A max
H3	2-SPDT	Honeywell 13SX21-T	-40°C to +60°C	125 V max, 1A max
H4	4-SPDT	Honeywell 11SX22-T	-40°C to +60°C	250 V max, 4A max
H5	4-SPDT	Honeywell 12SX1-T	-40°C to +60°C	125 V max, 1A max
H6	4-SPDT	Honeywell 13SX21-T	-40°C to +60°C	125 V max, 1A max



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Conditions of Use:

1. The electrical ratings of the internal switch component dictate the equipment electrical ratings, but not to exceed 250 V max and 4 A max equipment electrical rating.
2. Cable entry holes are provided as specified on the certified drawings for the fitting of suitable certified flameproof cable entry devices. Unused entries are to be fitted with suitable certified flameproof blanking plugs.

Class I, Division 1, Groups B, C & D T6; Class II, Division 1, Groups E, F and G; Class III; Class I, Zone 1, AEx db IIC, T6 Gb; Zone 21 AEx tb IIIC T65°C Db Ex db IIC, T6 Gb; Ex tb IIIC T65°C Db

TRIAC Valve position indicator model **APL-5aab** rated per table below:
Enclosure Type 4X/6P, IP 66/67/68 (10 m, 72 hrs.)

Where:

aa	Switch Type	Switch model number	Ambient temp.	Electrical ratings
10	2-SPDT	ZIPPY VA2-16	-40°C to +60°C	250V max, 4A max.
		Wonwoo SZM-V16-5FA	-25°C to +60°C	250V max, 4A max
11	3-SPDT	ZIPPY VA2-16	-40°C to +60°C	250V max, 4A max.
		Wonwoo SZM-V16-5FA	-25°C to +60°C	250V max, 4A max
12	4-SPDT	ZIPPY VA2-16	-40°C to +60°C	250V max, 4A max.
		Wonwoo SZM-V16-5FA	-25°C to +60°C	250V max, 4A max
13	2-SPST	ZIPPY VA2-16	-40°C to +60°C	250V max, 4A max.
		Wonwoo SZM-V16-5FA	-25°C to +60°C	250V max, 4A max
14	2-DPDT	Omron DZ-10GW-1B	-25°C to +60°C	250V max, 4A max.
15	2-SPDT + Potentiometer	ZIPPY VA2-16	-40°C to +60°C	250V max, 4A max.
		Wonwoo SZM-V16-5FA	-25°C to +60°C	250V max, 4A max
16	2-SPDT + Signal Unit	ZIPPY VA2-16	-40°C to +60°C	250V max, 4A max.
		Wonwoo SZM-V16-5FA	-25°C to +60°C	250V max, 4A max
18	2-SPDT	Omron VX-01-xC2x	-25°C to +60°C	30Vdc max, 0.1A max
20	Proximity sensor	P&F NJ2-V3-N	-25°C to +60°C	8.2V nom, 3mA nom.
21	Proximity sensor	Autonics PS17-5DxU	-25°C to +60°C	10-30 Vdc, 2-100mA
22	Proximity sensor	P&F NJ4-12GM-N	-25°C to +60°C	8.2V nom., 3mA nom.
23	Proximity sensor	P&F NBBx-V3-Zx	-25°C to +60°C	30Vdc max, 100mA max.
25	Proximity sensor+ Potentiometer	P&F NJ2-V3-N	-25°C to +60°C	8.2V nom, 3mA nom.
26	Proximity sensor + Signal Unit (4~20mA)	P&F NJ2-V3-N	-25°C to +60°C	8.2V nom, 3mA nom.
27	Proximity sensor	P&F NBBx-V3-Ex	-25°C to +60°C	30Vdc max, 100mA max.
28	Proximity sensor	P&F NJx-1xxx-N-xxx	-25°C to +60°C	8.2V nom, 15mA nom



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29	Proximity sensor	P&F NJ4-12GK-SN	-50°C to +60°C	8.2V nom, 15mA nom
30A	Reed switch	MEC MS-B301	-40°C to +60°C	200 Vdc, 0.5A max
30B	Reed switch	MK21 model 85	-40°C to +60°C	250 V max, 1A max
31	Reed switch	MK21 model 66	-40°C to +60°C	180 V max, 0.5A max
32	Reed switch	MK21 model 90	-40°C to +60°C	175 V max, 0.5A max
34	Reed switch	HKC APH-634W	-40°C to +60°C	120 Vdc, 3.5A max
35	Reed switch	HKC APH-933W	Gr B,C,D: -60°C to +60°C, Gr E,F,G: -50°C to +60°C	500 Vdc, 3A max
36	Reed switch	HKC APH-27103	Gr B,C,D: -60°C to +60°C, Gr E,F,G: -50°C to +60°C	350 Vdc, 1A max
40	Inductive slot sensor	P&F SJ3,5-SN	-50°C to +60°C	8.2V nom, 15mA nom
H1	2-SPDT micro-switch	11SX22-T	-50°C to +60°C	250 V max, 4 A max
H2	2-SPDT micro-switch	12SX1-T	-50°C to +60°C	125 V max, 1A max
H3	2-SPDT micro-switch	13SX21-T	-50°C to +60°C	125V max, 1A max
H4	4-SPDT micro-switch	11SX22-T	-50°C to +60°C	250 V max, 4A max
H5	4-SPDT micro-switch	12SX1-T	-50°C to +60°C	125 V max, 1A max
H6	4-SPDT micro-switch	13SX21-T	-50°C to +60°C	125 V max, 1A max
	b	Body Material Type	-	-
		N = Aluminum	-	-
		S = Stainless Steel	-	-

Conditions of Use:

1. The electrical ratings of the internal switch component dictate the equipment electrical ratings, but not to exceed 250 V max and 4 A max equipment electrical rating.
2. Unused entries are to be fitted with suitable certified flameproof blanking plugs.

APPLICABLE REQUIREMENTS

CSA C22.2 No. 14-18 + UPD 1-2022 (R2022)	Industrial Control Equipment
CAN/CSA C22.2 No. 94.2:20 <i>Third Edition</i>	Enclosures for Electrical Equipment, Environmental Considerations
CAN/CSA C22.2 No. 25-17	Enclosures for Use in Class II Groups E, F, and G Hazardous Locations
CSA C22.2 No. 30-20	Explosion-Proof Enclosures for Use in Class I Hazardous Locations
CAN/CSA-C22.2 No. 60079-0:19	Explosive atmospheres –



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	Part 0: Equipment – General requirements
CAN/CSA-C22.2 No. 60079-1:16	Explosive atmospheres – Part 1: Equipment protection by flameproof enclosures “d”
CAN/CSA-C22.2 No. 60079-31:15	Explosive atmospheres — Part 31: Equipment dust ignition protection by enclosure “t”
ANSI/UL 508-2021 <i>Eighteenth Edition</i>	Industrial Control Equipment
ANSI/UL 50E-2020 <i>Third Edition</i>	Enclosures for Electrical Equipment, Environmental Considerations
ANSI/UL 1203-2009 <i>Fourth Edition (October 28, 2009)</i>	Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations
ANSI/UL 60079-0-2020 <i>Seventh Edition</i>	Explosive atmospheres – Part 0: Equipment – General requirements
ANSI/UL 60079-1-2015 <i>Seventh Edition</i>	Explosive Atmospheres – Part 1: Equipment Protection by Flameproof Enclosures “d”
ANSI/ISA-60079-31 (12.10.03)-2015	Explosive Atmospheres – Part 31: Equipment Dust Ignition Protection by Enclosure “t”

MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

Nameplate adhesive label material approval information:

Markings appear on a minimum 0.02 inch thick aluminum or stainless steel nameplate, secured to the outside of the enclosure using non-removable fasteners in blind holes. The following marking details can be stamped, etched, silkscreened, molded or embossed on the nameplate:



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- Manufacturer’s name: "A-T Controls, Inc.", or CSA Master Contract Number “258948”, adjacent to the CSA Mark in lieu of manufacturer’s name.
- Model number: As specified in the PRODUCTS section, above.
- Electrical ratings: As specified in the PRODUCTS section, above.
- Ambient temperature rating: As specified in the PRODUCTS section, above.
- Manufacturing date in MMY format, or serial number, traceable to year and month of manufacture.
- Enclosure ratings: As specified in the PRODUCTS section, above.
- The CSA Mark, as shown on the Certificate of Conformity.
- Hazardous Location designation: As specified in the PRODUCTS section, above.
- Method of Protection markings: As specified in the PRODUCTS section, above.
- Temperature code: As specified in the PRODUCTS section, above.
- The following words:
 - “OPEN CIRCUIT BEFORE REMOVING COVER” and “AVERTISSEMENT: OUVRIR LE CIRCUIT AVANT D'ENLEVER LE COUVERCLE” or “KEEP COVER TIGHT WHILE CIRCUITS ARE ALIVE” and “AVERTISSEMENT: GARDER LE COUVERCLE BIEN FERME TANT QUE LES CIRCUITS SONT SOUS TENSION.”
 - “SEAL REQUIRED WITHIN 450MM (18 in) OF THE ENCLOSURE.” and “UN SCÉLÈMENT DOIT ÊTRE INSTALLÉ À MOINS DE 450 MM DU BOÎTER” (*APL-4 only*)
 - “SEAL REQUIRED WITHIN 50MM (2 in) OF THE ENCLOSURE.” and “UN SCÉLÈMENT DOIT ÊTRE INSTALLÉ À MOINS DE 50 MM DU BOÎTER” (*APL-5 only*)

An installation manual or data sheet shall be supplied with each unit, containing the following minimum marking information:

- Manufacturer’s name and address
- Electrical ratings: As specified in the PRODUCTS section, above.
- Specification for ambient temperature rating: As specified in the PRODUCTS section, above.
- Specification for appropriate wiring to the connector, including definition of pin functions, and specification for wire gauge.
- Mounting and installation instructions.

Notes:

Products certified under Class C321806, C321886 have been certified under CSA’s ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





Supplement to Certificate of Compliance

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The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
80226744	October 8, 2024	Update to Multiple Listing Report 70014955 (Last Update 70093598) with ML LISTEE A-T Controls, Inc., 9955 International Blvd., Cincinnati, Ohio 45246 USA (Listee ID: 258948 - CID: 4638921) For the update of models: APL-4aaN, APL-5aab, update standards; Comparison with Submittor Report 2607373-80161359. Classes: C321806, C321886
70093598	September 2, 2016	Evaluation to update Multiple Listing Report with A-T Controls Inc., 70014955; Model Comparison with Report 2607373, Project 70095903.
70014955	November 18, 2014	Original Certification. Issue a New CofC for a Multiple Listing with A-T Controls, Inc. ID#4638921 (Model comparison with CSA Report 2607373).

<u>Submittor Report</u>	<u>Submittor Model Number</u>	<u>Listee Model Number</u>
2607373-70009742	APL-4aaN	APL-4aaN
2607373-70009742	APL-5aab	APL-5aab