



Certificate of Compliance

Certificate: 2524014

Master Contract: 213842

Project: 70006164

Date Issued: January 26, 2015

Issued to: UWT GmbH
Westendstrasse 5
D-87488 Betzigau
GERMANY

Attention: Mr. Andreas Haug

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: Vegard Andersen
Vegard Andersen

Issued by: Paul Exner
Paul exner

PRODUCTS

CLASS 2252 06 - PROCESS CONTROL EQUIPMENT
CLASS 2252 86 - PROCESS CONTROL EQUIPMENT (Certified to U.S. Standards)
CLASS 3211-07 – INDUSTRIAL CONTROL EQUIPMENT
CLASS 3211-87 – INDUSTRIAL CONTROL EQUIPMENT (Certified to U.S. Standards)

Level limit switch Vibranivo, Model: VN4020 and VN4030 series, followed by an alphanumeric code according to the type code table below:

Rated: Enclosure type IP 67, NEMA 4, Type 4, for use in ordinary locations

DPDT version:
Input: 19 – 230 Vac, 50 – 60 Hz, 22 VA or 19 – 40 Vdc, 2 W
Output: max. 250 Vac, 8 A; max. 30 Vdc, 5 A; non inductive

PNP version:
Input 18 – 50 Vdc, 0.5 A
Output: Voltage equal to input voltage, drop <2.5V, max. 0.4 A



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Type code table: (Selection with * is not approval relevant information)		
Pos	selection	Description
1	Basic Type	
	A	VN4020
	B	VN4030
2	Certificate	
	*	Information regarding certificates (ATEX, EX etc.)
3	Temperature extended shaft	
	1	without
	2	with
4	Electronic module	
	L	DPDT
	D	PNP
5	Process connection	
	*	any process connection according to drawings 002-14 to 15
6	3	fixed position without relevance
7	Length of extension "L"	
	*	any length according to drawing 002-14 to 15
8	Material of process connection / extension "L"	
	*	Material of process
Position: 9 to 20; 28 and 29 are not used (future options) Options: If options are not selected, the mentioned item is not present		
21	*	Weather protection cover
22	*	Mounting set for flange mounting
23	*	Cable entry
24	*	Hexagon nut
25	*	Sliding sleeve
26	x	Special versions (Enhanced sensitivity)
27	b	Signal lamp LED (glass window in lid)
30	*	EHEDG

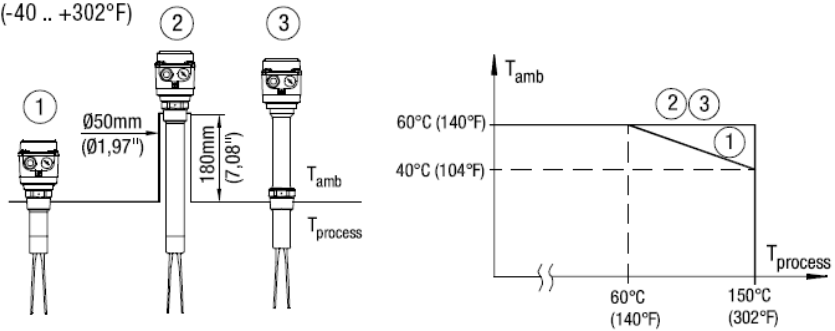
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Notes:

1. The above model is permanently connected, Equipment Class I (PNP versions Class III), Pollution Degree 2.
2. Mode of operation: Continuous
3. Environmental Conditions: Temperature: -40 °C to 60 °C (See de-rating table below), 0-100% rH, Altitude max 2000 m

Process temperature -40°C.. +150°C (-40 .. +302°F)



APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 61010-1-12	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements
CAN/CSA-C22.2 No. 14-13	Industrial control equipment
CAN/CSA-C22.2 NO. 94-1-07/94-2-07	Special Purpose Enclosures
UL Std. No. 61010-1 (3 rd Edition)	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements
UL Std. No. 508 (17 th Edition)	Industrial control equipment
UL Std. No. 50/50E	Special Purpose Enclosures

CONDITIONS OF ACCEPTABILITY

- (1) Equipment is evaluated for use in normal location only. There has been no evaluation of performance, endurance or function.
- (2) Equipment to be installed by qualified and trained personnel only.
- (3) The PNP versions with boards PL108166 and PL108266 may only be powered by an approved power supply with re-inforced insulation to mains.



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- (4) In addition to the branch circuit protection an external supplemental fuse shall be added:
 - DPDT versions: Max 10A/250VAC, fast or slow (supplemental fuse).
 - PNP versions: Max 4A/250VAC, fast or slow (supplemental fuse).All wiring (including wiring between supplemental fuse and equipment) shall be based on the branch circuit protection present.
- (5) A supply source disconnecting device must be provided in close proximity of the equipment and shall be marked accordingly.
- (6) The cable gland and closing element must have the following specifications:
IP66, temperature range from -40 °C to +70 °C, certified by NTRL or SCC accredited body (depending on the country where the unit is installed). The cable gland should have a pull relief.
- (7) Cable gland openings that are not used should be locked with a closing element.
- (8) The diameter of the field wiring cable has to match to the clamping range of the used cable gland.
- (9) Temperature of accessible parts may be very high due to thermal conduction of process temperature. No self heating of equipment, safety measures / warnings should be considered in end use.
- (10) All field wirings must have insulation suitable for at least 250 Vac. The temperature rating must be at least 90 °C (194 °F).
- (11) Ambient temperature and process temperature are related and should be taken in to account in the end use, according to the applicable de-rating table.
- (12) Equipment is not to be used with flammable liquids.
- (13) The unit may only be opened in a controlled environment

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 following markings appear on the product:

1. Submitter's identification: "UWT level control";
2. Model designation;




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3. Marking on the unit that indicates the manufacturing location if the equipment is manufactured at more than one factory location. Model designation (Identification with serial number);
4. Electrical rating; (See page 2, "Products");
5. Date of manufacture: Month and year of manufacture or date code. (serial number is used instead of date of manufacture, a record of serial numbers is kept traceable to date of manufacture.
6. The products listed 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:



7. Protective earthing TERMINAL is identified by the IEC 60417 No 5019 symbol  , adjacent to the TERMINAL;
8. Neutral is identified by number "2" referring to the the letter "N" (for units with a non-detachable supply cord or PERMANENTLY CONNECTED EQUIPMENT).

The following additional markings are also provided:

9. TERMINAL markings:
 PL108165 on PWB: 1, 2, 3, 4, 5, 6, 7, 8
 PL108166 on PWB: 1, 2,3
 PL108265 on plastic cover: 1, 2,3 ,4, 5, 6, 7, 8
 PL108166 on plastic cover: 1, 2, 3

Mark	Symbol	Reference	Title	Mark	Symbol	Reference	Title
		ISO 7000-0434A	Caution			—	Caution, possibility of electric shock

Note Jurisdictions in Canada may require these markings to be also in French. It is the responsibility of the Customer to provide bilingual marking, where applicable, in accordance with the requirements of the Provincial Regulatory Authorities. It is the responsibility of the Customer to determine this requirement and have bilingual wording added to the "Markings".

Marking Method: The above markings are made with silk screening or on CSA certified or UL recognized adhesive nameplate material compatible with the surface used, or other equivalent permanent means that can pass the label rub test.



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
2524014	2012/06/07	Original Certification.
70006164	2015/01/26	Update to cover CAN/CSA-C22.2 No. 61010-1-12, CAN/CSA-C22.2 No. 14-13, CAN/CSA-C22.2 No. 94-1-07/94-2-07, UL Std. No. 61010-1 (3 rd Edition), UL Std. No. 508 (17 th Edition) and UL Std. No. 50/50E