



Certificate of Compliance

Certificate: 80117164

Master Contract: 265722

Project: 80117164

Date Issued: 2023-09-15

Issued to: Contrec Ltd.
Riverside Canal Road
Sowerby Bridge
West Yorkshire
HX6 2AY
UNITED KINGDOM

Attention: Tom Casson

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:

James Jarman

PRODUCTS

CLASS 2258 02 – Process Control Equipment - For Hazardous Locations

Ex db IIB T6 Gb

-20°C ≤ Ta ≤ +60°C DC Version and AC Version Without Heater

-40°C ≤ Ta ≤ +60°C AC Version With Heater

Type 4X; IPX6

Contrec EX510 Process Monitor - rated 12-28 VDC, 10 W; or 100-240 VAC 50/60 Hz 15 W; or 120 VAC 50/60 Hz 60 W with heater; or 240 VAC 50/60 Hz 60 W with heater.



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Model Code Table

Model 424/425

42X	.	X	X	X	X
1	.	2	3	4	5

Code	Feature	Options	Description
1	42X	424 425	Batch Controller Flow Computer
2	Enclosure	3 4 5 6 7 8	EX510 Enclosure with M25 Entries EX510 Enclosure with 1" NPT Entries EX510 Enclosure with M25 Entries & 240 VAC Heater EX510 Enclosure, 1" NPT Entries & 120 VAC Heater EX510 Enclosure, M25 Entries & 120 VAC Heater EX510 Enclosure, 1" NPT Entries & 240 VAC Heater
3	Output	0 1	Basic 4-20 mA
4	PSU	U D	Universal (110 – 240 VAC, 50-60 Hz & 13.-28.5 VDC) DC only (12-28 VDC)
5	Conformal Coating	C	Conformally Coated

Model 515

515	.	X	X	X	X	X	X
1	.	2	3	4	5	6	7

Code	Feature	Options	Description
1	515	515	515 Series
2	Enclosure	3 4 5 6 7 8	EX510 Enclosure with M25 Entries EX510 Enclosure with 1" NPT Entries EX510 Enclosure with M25 Entries & 240 VAC Heater EX510 Enclosure, 1" NPT Entries & 120 VAC Heater EX510 Enclosure with M25 Entries & 120 VAC Heater EX510 Enclosure, 1" NPT Entries & 240 VAC Heater
3	Output	0 1 2	Basic Advanced Option including RS485 Advanced Option including Ethernet
4	Relay Type	1 2 3	4 x Electromechanical Relays 2 x Electromechanical Relays, 2 x Solid State Relays 4 x Solid State Relays
5	PSU	U D	Universal (110 – 240 VAC, 50-60 Hz & 13.-28.5 VDC) DC only (12-28 VDC)
6	Display	S	Standard Display



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7	Conformal Coating	C	Conformally Coated
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Model 'Load Pro'

XXXX	.	X	X	X	X	X
1	.	2	3	4	5	6

Code	Feature	Options	Description
1	Software	LPxx	xx denotes software version, not relevant to certification
2	Enclosure	3	EX510 Enclosure with M25 Entries
		4	EX510 Enclosure with 1" NPT Entries
3	Output	0	Basic
		1	Advanced Option including RS485
		2	Advanced Option including Ethernet
4	Relay Type	1	4 x Electromechanical Relays
		2	2 x Electromechanical Relays, 2 x Solid State Relays
		3	4 x Solid State Relays
5	Heater	N	No Heater
		1	120 VAC Heater
		2	240 VAC Heater
6	ID Type	P	PIN
		R	RFID Reader

Model 'Trac-50'

TRAC50	.	X	X
1	.	2	3

Code	Feature	Options	Description
1	Model	TRAC50	TRAC-50 Series
2	Enclosure	3	EX510 Enclosure with M25 Entries
		4	EX510 Enclosure with 1" NPT Entries
3	Terminal Connection Type	1	Pluggable Terminal Block (Spring Loaded)
		2	Crimp Style D Sub Connections



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CLASS 2258 82 – Process Control Equipment - For Hazardous Locations – Certified to US Standards

Class I, Zone 1, AEx db IIB T6 Gb

-20°C ≤ Ta ≤ +60°C DC Version and AC Version Without Heater

-40°C ≤ Ta ≤ +60°C AC Version With Heater

Type 4X; IPX6

Contrec EX510 Process Monitor - rated 12-28 VDC, 10 W; or 100-240 VAC 50/60 Hz 15 W; or 120 VAC 50/60 Hz 60 W with heater; or 240 VAC 50/60 Hz 60 W with heater.

Model Code Table

Model 424/425

42X	.	X	X	X	X
1	.	2	3	4	5

Code	Feature	Options	Description
1	42X	424 425	Batch Controller Flow Computer
2	Enclosure	3 4 5 6	EX510 Enclosure with M25 Entries EX510 Enclosure with 1” NPT Entries EX510 Enclosure with M25 Entries & 240 VAC Heater EX510 Enclosure, 1” NPT Entries & 120 VAC Heater
3	Output	0 1	Basic 4-20 mA
4	PSU	U D	Universal (110 – 240 VAC, 50-60 Hz & 13.-28.5 VDC) DC only (12-28 VDC)
5	Conformal Coating	C	Conformally Coated

Model 515

515	.	X	X	X	X	X	X
1	.	2	3	4	5	6	7

Code	Feature	Options	Description
1	515	515	515 Series
2	Enclosure	3 4	EX510 Enclosure with M25 Entries EX510 Enclosure with 1” NPT Entries



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Project: 80117164

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		5 6 7 8	EX510 Enclosure with M25 Entries & 240 VAC Heater EX510 Enclosure, 1" NPT Entries & 120 VAC Heater EX510 Enclosure with M25 Entries & 120 VAC Heater EX510 Enclosure, 1" NPT Entries & 240 VAC Heater
3	Output	0 1 2	Basic Advanced Option including RS485 Advanced Option including Ethernet
4	Relay Type	1 2 3	4 x Electromechanical Relays 2 x Electromechanical Relays, 2 x Solid State Relays 4 x Solid State Relays
5	PSU	U D	Universal (110 – 240 VAC, 50-60 Hz & 13.-28.5 VDC) DC only (12-28 VDC)
6	Display	S	Standard Display
7	Conformal Coating	C	Conformally Coated

Model 'Load Pro'

XXXX	.	X	X	X	X	X
1	.	2	3	4	5	6

Code	Feature	Options	Description
1	Software	LPxx	xx denotes software version, not relevant to certification
2	Enclosure	3 4	EX510 Enclosure with M25 Entries EX510 Enclosure with 1" NPT Entries
3	Output	0 1 2	Basic Advanced Option including RS485 Advanced Option including Ethernet
4	Relay Type	1 2 3	4 x Electromechanical Relays 2 x Electromechanical Relays, 2 x Solid State Relays 4 x Solid State Relays
5	Heater	N 1 2	No Heater 120 VAC Heater 240 VAC Heater
6	ID Type	P R	PIN RFID Reader



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Model 'Trac-50'

TRAC50	.	X	X
1	.	2	3

Code	Feature	Options	Description
1	Model	TRAC50	TRAC-50 Series
2	Enclosure	3	EX510 Enclosure with M25 Entries
		4	EX510 Enclosure with 1" NPT Entries
3	Terminal Connection Type	1	Pluggable Terminal Block (Spring Loaded)
		2	Crimp Style D Sub Connections

APPLICABLE REQUIREMENTS

- CAN/CSA C22.2 No. 61010-1-12, UPD1: 2015, UPD2: 2016, AMD1: 2018 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use — Part 1: General Requirements
- CAN/CSA C22.2 No. 60079-0:19 - Explosive atmospheres — 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. 30-M1986 (R2016) - Explosion-Proof Enclosures for Use in Class I Hazardous Locations
- CAN/CSA C22.2 No. 94.2-20 - Enclosures for Electrical Equipment, Environmental Considerations
- UL 61010-1, 3rd edition (2012), AMD1: 2018 - Electrical Equipment For Measurement, Control, and Laboratory Use; Part 1: General Requirements - Third Edition
- ANSI/UL-60079-0 (2019) - Explosive Atmospheres – Part 0: Equipment – General Requirements
- ANSI/UL 60079-1 (2015) - Explosive Atmospheres – Part 1: Equipment Protection by Flameproof Enclosures “d”
- UL 50E (2020) - Enclosures for Electrical Equipment, Environmental Considerations



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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.

The following marking details are laser etched or anodic printed onto a metal plate with a minimum thickness of 0.5 mm, as shown on drawing EX510-023.

- CSA Monogram with c us Indicator (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), as shown on the Certificate of Compliance.
- Manufacturers name "Contrec Limited", or CSA Master Contract number "265722" adjacent the CSA Mark, in lieu of manufacturers name.
- Model designation, as specified in the PRODUCTS section, above.
- Complete electrical rating, as specified in the PRODUCTS section, above.
- Maximum ambient temperature rating, as specified in the PRODUCTS section, above.
- Date code / Serial number traceable to month and year of manufacture.
- Special purpose enclosure designation, "Type 4X", as specified in the PRODUCTS section, above.
- Ingress Rating "IPX6"
- Hazardous locations designation CAN - "Ex db IIB T6 Gb" as specified in the PRODUCTS section above, or equivalent
- Hazardous locations designation US; "Class I, Zone 1, AEx db IIB T6 Gb" as specified in the PRODUCTS section above, or equivalent
- Temperature code, as specified in the PRODUCTS section, above.
- Cable entry option
- The warning words: - "DO NOT OPEN IN AN EXPLOSIVE ATMOSPHERE" and "NE PAS OUVRIR EN ATMOSPHERE EXPLOSIVE" or equivalent;
- The warning words: - "SEAL REQUIRED WITHIN 18 INCHES" and "SCELLEMENT REQUIS A MOINS DE 18" or equivalent;
- For Zone marked equipment the Certificate Number Reference "23CA80117164" next to the CSA logo or preceded by "CSA" agency name.
- The equipment may also be marked 'Class I, Division 2, Groups C & D, T6'.