

# EU-Type Examination Certificate

## 1622 - RED - 191803

In compliance with Directive (EU) No 2014/53 of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment (RED), this certificate applies to the product(s)

**Product:** Safe-E-Stop

**Model:** PSD-2-B-X (Where X can represent a color choice of product, R(ed)/G(reen)/Y(ellow)/B(lue)/(Blac)K)  
MSD-2-B-Y (Where Y can represent the ethernet option, (eXcluded)/Ethernet IP/Profinet)

Placed on the market under the name or trade mark of

Cattron Controls North America Inc.  
655 N. River Road NW Suite A  
Warren, OH, 44483-2254, USA

This certificate attest that all provisions concerning the assessment and verification of performance described in the standard(s)

Art. 3.1a): EN 61010-1: 2010.  
EN 61010-2-201:2013  
EN 50566: 2017  
EN62311:2008

Art. 3.1b): ETSI EN 301 489-1 V2.2.0 (2017-03)  
ETSI EN 301 489-3 V2.1.1 (2017-03)  
ETSI EN 301 489-17 V3.2.0 (2017-03)

Art. 3.2): ETSI EN 300 220-1 V3.1.1 (2017-05)  
ETSI EN 300 220-2 V3.1.1 (2017-02)  
ETSI EN 300 328 V2.1.1

as per Annex III (Module B) for the performance set out in this certificate, are applied.

This certificate was first issued on **Aug 15, 2019**

This certificate consists of 4 pages  
Certificate revision: 1.0

**For NEMKO (Notified Body 1622)**  
Ottawa, Canada, on August 15, 2019  
Authorized signatory: Kevin Ma  
Senior Technical Assessor



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This certificate has been granted by Nemko North America, Inc. 303 River Road, Ottawa, Ontario, K1V 1H2, Canada

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This certificate remains valid, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Nemko. Should the specified regulations or standards be amended, the products are to be re-approved prior to being placed on the market.

Any person not a party to the contract pursuant to which this document is delivered may not assert a claim against Nemko for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel in the establishment or issuance of this document, and in connection with any activities for which it may provide

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## ANNEX 1 – PRODUCT SPECIFICATIONS

### PRODUCT DESCRIPTION

Equipment type:	Safe-E-Stop
Model/type:	PSD-2-B-X (Where X can represent a color choice of product, R(ed)/G(reen)/Y(ellow)/B(lue)/(Blac)K) MSD-2-B-Y (Where Y can represent the ethernet option, (eXcluded)/Ethernet IP/Profinet)
Brand/trade name:	Cattron
Supply voltage:	PSD-2: 3.7VDC MSD-2: 18-36VDC
Rated power:	PSD-2: 0.3A MSD-2: 1A
Hardware version:	PSD-2: G1 MSD-2 :E1
Software version:	PSD-2: 3SOF-7648-A001, 3SOF-8762-A001; 3SOF-7954-D401 MSD-2: 3SOF-7648-A001;3SOF-8765-A002; 3SOF-7954-D401

### TECHNICAL CHARACTERISTICS

Transmitter type:	Digital FM (F1D)
Intended purpose:	Data Transceiver
Frequency range:	433.07775-434.7775MHz
Transmit power:	6dBm
Modulation type:	FSK
Number of channels:	69
Channel separation:	25KHz
Antenna type:	PSD-1: helical antenna; MSD-1: phantom antenna
Maximum antenna gain:	---
Transmitter type:	Frequency-Hopping Spread Spectrum
Intended purpose:	Data Transceiver
Frequency range:	2400-2483.5MHz
Transmit power:	20dBm
Modulation type:	FSK
Number of channels:	79
Channel separation:	1MHz
Antenna type:	Ceramic Chip Antenna
Maximum antenna gain:	0.5dBi

**MANUFACTURER**

Name: Cattron Controls North America Inc.

Address: 655 N. River Road NW Suite A, Warren, OH, 44483-2254, USA

**ADDITIONAL INFORMATION**

None.

## ANNEX 2 - SCHEDULE OF APPROVAL

### SCOPE OF EXAMINATION

- |  |         |
|--|---------|
| <input checked="" type="checkbox"/> Protection of Health and Safety, according to Article 3(1)(a).                         | Conform |
| Standards: EN 61010-1: 2010.<br>EN 61010-2-201:2013<br>EN 50566: 2017<br>EN62311:2008                                      |         |
| <input checked="" type="checkbox"/> Electromagnetic Compatibility (EMC), according to Article 3(1)(b).                     | Conform |
| Standards: ETSI EN 301 489-1 V2.2.0 (2017-03)<br>ETSI EN 301 489-3 V2.1.1 (2017-03)<br>ETSI EN 301 489-17 V3.2.0 (2017-03) |         |
| <input checked="" type="checkbox"/> Radio Spectrum Use, according to Article 3(2).   | Conform |
| Standards: ETSI EN 300 220-1 V3.1.1 (2017-05)<br>ETSI EN 300 220-2 V3.1.1 (2017-02)<br>ETSI EN 300 328 V2.1.1              |         |
| <input checked="" type="checkbox"/> Special Radio Features, according to Article 3(3)(a)-(f).                              | N/A     |
| Standards: N/A   |         |

### MARKING OF PRODUCT

The Manufacturer and Type Designation shall be applied to the product in a visible location.  
The equipment shall carry the CE marking of the European Union.

### TYPE EXAMINATION DOCUMENTATION

#### Test report(s)

- EMC test report by Nemko Canada  
Test Report Number: 361514-1TRFEMC (301 489-17) - MSD  
361514-2TRFEMC (301 489-17) - PSD
- Radio test report by International Certification Corp.  
Test Report Number: ER332501-02\_BT700 Series\_EN 300 328 V2.1.1\_2.4G BT EDR
- Safety test report by Nemko Canada  
Test Report Number: Cattron 361514-1TRFSAF  
Cattron 361514-2TRFSAF
- Health test report by International Certification Corp.  
Test Report Number: EN 62311 RF Exposure Report - BT7x0  
Additional documentation
- RED technical file by Cattron Controls North America Inc.

### ADDITIONAL INFORMATION

Revision based on "331937CERTCAB( Cert no. 1622 - RED - 180703)"

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