Watteco
Pôle de Technellys
Bâtiment H
Boite aux lettres N°60
165 Rue de la Montagne du Salut
56600 Lanester
France

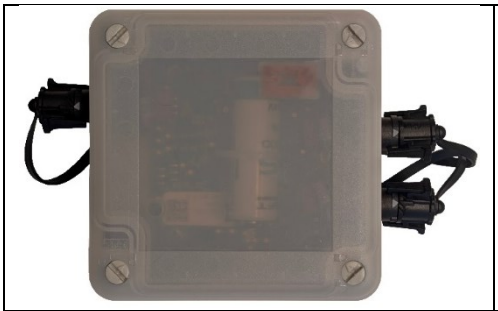
Label information

Date: November 25, 2024

Applicant: Watteco
FCC ID: 2AGTV-50-70-244
IC: 32028-5070244

Attention:
Federal Communication Commission
Authorization & Evaluation Division
7435 Oakland Mills Rd
Columbia MD 21046-1609
U.S.A.
Phone: +1-301-362-3000

Toran'O Product line variants

		
Toran'O	Press'O	Pulse Sens'O

The following table summarizes all the product versions and their definitions:

Product (Reference) / Functions	Connector A	Connector B	Connector C	NEMA 4x
Toran'O (50-70-252-000)	X	X	X	
Toran'O (50-70-254-000)	X	X	X	X
Press'O (50-70-244-000)*		X		X
Press'O (50-70-256-000)*		X		X
Press'O (50-70-257-000)		X		
Pulse Sens'O (50-70-253-000)			X	
Pulse Sens'O (50-70-255-000)			X	X

*Press'O 50-70-244-000 and 50-70-256-000 share the same hardware and casing ingress protection but have different applicative firmware. Press'O 50-70-244-000 has a customer specific application firmware, whereas Press'O 50-70-244-000 has a generic Watteco firmware.

See the "Family Declaration Letter" for more details on product variants' similarities and differences.

Toran’O product line labels’ location

Toran’O variants

Right side - IECEx + ILS labels

Left side - Product label

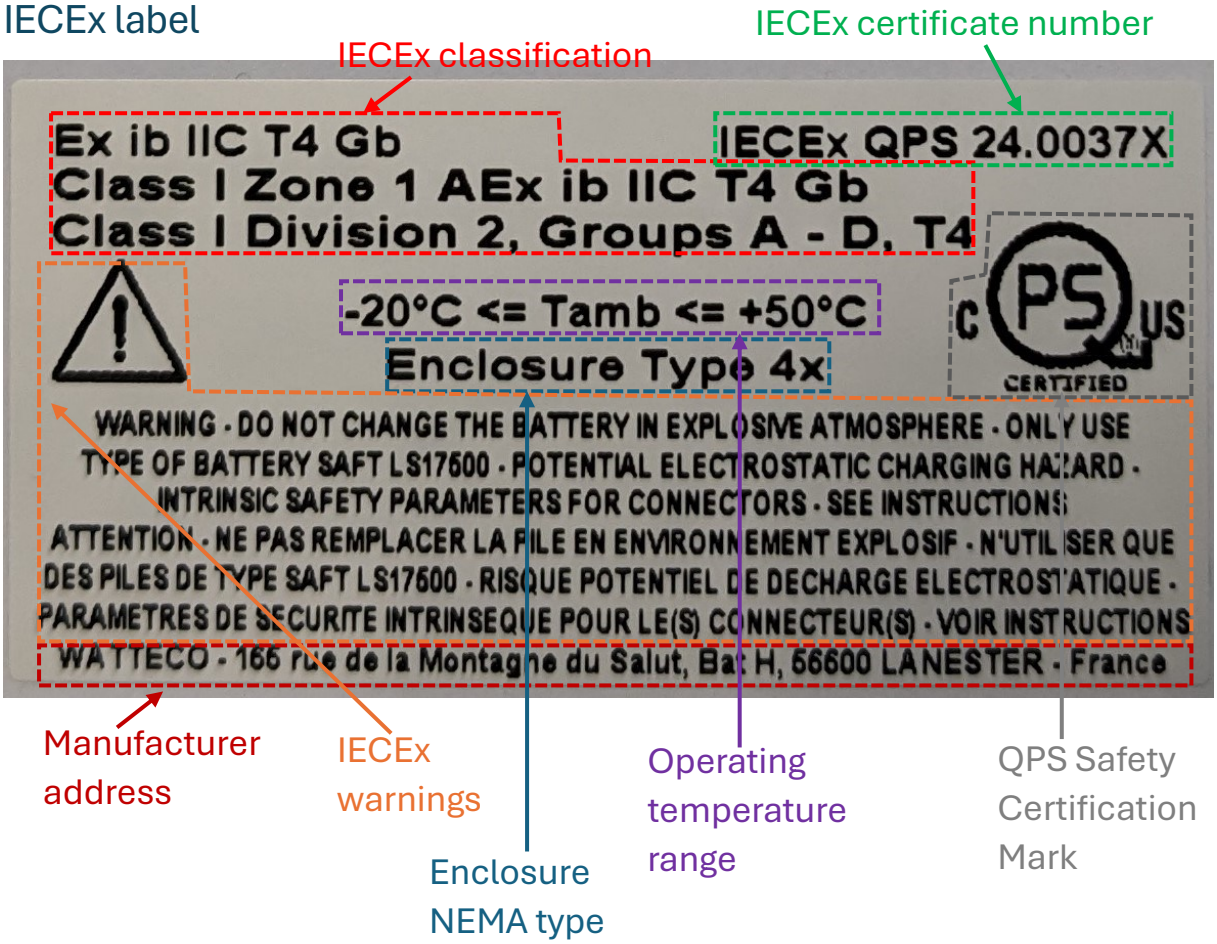
Press'o / Pulse Sens'O variants

Right side - IECEx + ILS labels

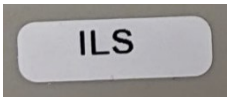
Left side - Product label

Toran'O product line labels content

IECEx label



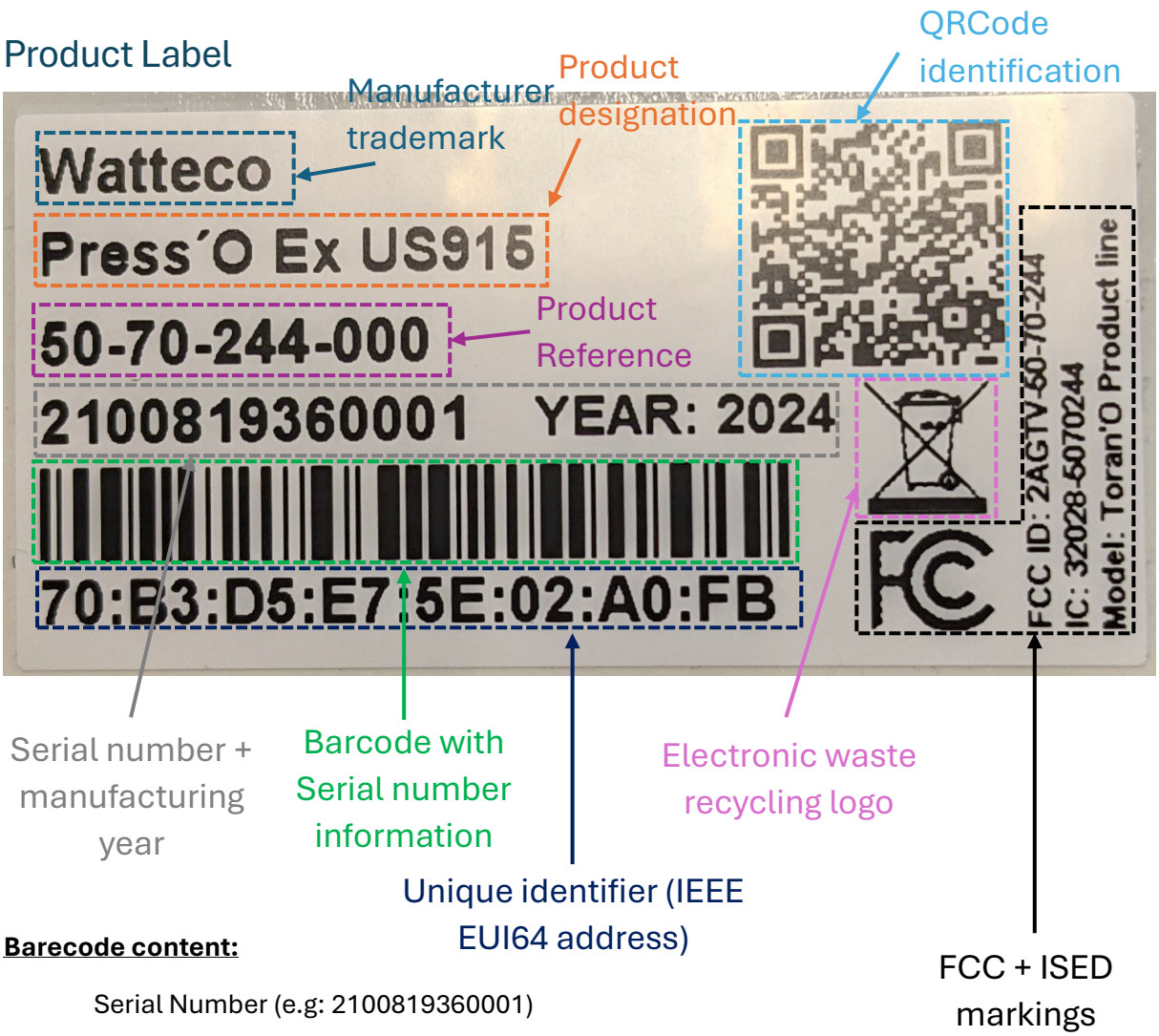
ILS label



« ILS » label is for reed switch location to interact with the device.

It is present and located at the same place on every variant of product.

Product Label



Barecode content:

Serial Number (e.g: 2100819360001)

QRCode identification content:

The QRCode content is compliant with LoRa Alliance specification (TR005 LoRaWAN® Device Identification QR Codes, available here : https://lora-alliance.org/wp-content/uploads/2020/11/TR005_LoRaWAN_Device_Identification_QR_Codes.pdf).
It has the following format:
LW:D0:JoinEUI:DevEUI:VendorIDVendorProfileID:PFamilyCode:SSerialNumber:CCRC

With for example in the sample above:
QRCode content:
`LW:D0:70B3D5E75F600000:70B3D5E75E02A0FB:0128000C:P5070244000:S0030D67101:CD7D0`

JoinEUI: 70B3D5E75F600000 (used for network joining process)
DevEUI: 70B3D5E75E02A0FB (unique identifier with IEEE EUI64 format, based on Watteco's IEEE MA-S address space)
VendorID: 0128 (decimal value = 296, Vendor ID assigned to Watteco by the LoRa Alliance)
VendorProfileID: 000C (decimal value = 12, VendorProfileID used for data decoding)
Family Code : 5070244000 => 50-70-244-000 (product reference)
Serial Number: 0030D67101 (decimal value = 819360001 => Serial number 2100819360001)
CRC: D7D0 (calculated using CRC-16 MODBUS on '*LW:D0:JoinEUI:DevEUI:VendorID+VendorProfileID:PFamilyCode:SSerialNumber*' content)

Labels

Toran’O variant

50-70-254-000 (NEMA4x variant)

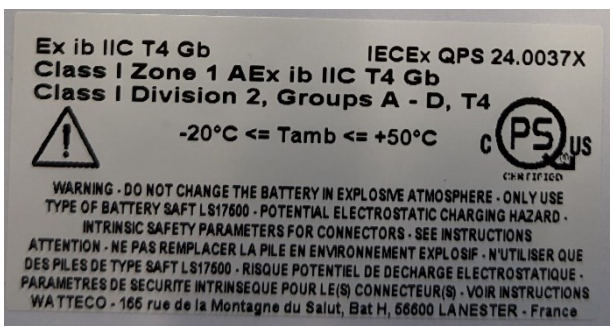
Product Label :

IECEx Label :

50-70-252-000 (Not rated variant)

Product Label :

IECEx Label :



Press’O variants

50-70-244-000 (NEMA4x variant, client specific firmware)

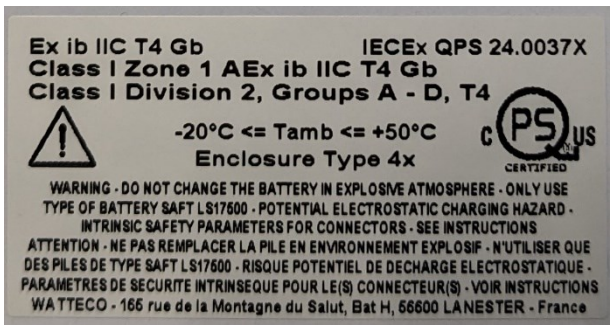
Product Label :

IECEx Label :

50-70-256-000 (NEMA4x variant)

Product Label :

IECEx Label :



50-70-257-000 (Not rated variant)

Product Label :

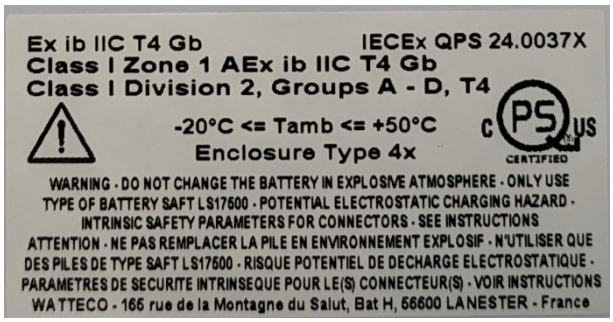
IECEx Label :

PulseSens'O variant

50-70-255-000(NEMA4x variant)

Product Label :

IECEx Label :



50-70-253-000 (Not rated variant)

Product Label :

IECEx Label :

Label text statement

In order to be FCC compliant, the following label text statement will be put inside the user manual with the following caution statement.

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:

(1) this device may not cause harmful interference.
(2) this device must accept any interference received, including interference that may cause undesired operation.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

This device complies with the FCC RF exposure limits and has been evaluated in compliance with mobile exposure conditions.
The equipment must be installed and operated with minimum distance of 20 cm of the human body.

⚠ Caution: Changes or modifications not expressly approved by the party responsible for FCC compliance could void the user authority to operate the device. (Cf. FCC Part 15.21).