



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEx FMG 20.0040X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2021-01-26

Applicant: **RELCOM Inc.**  
2221 Yew Street.  
Forest Grove  
OR 97116  
USA  
**United States of America**

Equipment: **MTL838C[-MBT, -EIP] Receiver**

Optional accessory:

Type of Protection: **Increased Safety, ec**

Marking: **Ex ec IIC T4 Gc**  
**Ta = -40°C to +70°C**

Approved for issue on behalf of the IECEx  
Certification Body:

**J. E. Marquedant**

Position:

**VP, Manager - Electrical Systems**

Signature:  
(for printed version)

Date:

28 January 2021

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
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Certificate issued by:

**FM Approvals LLC**  
**1151 Boston-Providence Turnpike**  
**Norwood, MA 02062**  
**United States of America**





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Date of issue: 2021-01-26

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Manufacturer: **RELCOM Inc.**  
2221 Yew Street.  
Forest Grove  
OR 97116  
USA  
**United States of America**

Additional  
manufacturing  
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

#### STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

**IEC 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC 60079-7:2017** Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

#### TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[US/FMG/ExTR20.0030/00](#)

Quality Assessment Report:

[FR/LCI/QAR06.0002/11](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The MTL838C[-xxx] Receiver is part of a multi-component system that aggregates temperature or mV measurements from field sensors and provides them to the control system (DCS, PLC, etc.). The system consists of the Transmitter (e.g. MTL831C[-xx]), which can connect to multiple sensors, and a Receiver (MTL838C[-xxx]) that makes the data from the sensors available to the control system. Multiple Transmitters can be connected on the bus to a single Receiver. The transmitter (MTL831C[-xx]) was certified separately under IECEx FMG 20.0038X

The models of the MTL838C[-xxx] product family are functionally the same except for the interface to the control system, which may be RS-485/Modbus (MTL838C), Modbus/TCP (MTL838C-MBT), or Ethernet/IP (MTL838C-EIP).

Power for the MTL838C[-xxx] is provided by a bulk 24VDC power supply via a 2-position pluggable screw terminal connector. The system is software configured via a USB-C port on the MTL838C[-xxx]. Two pairs of fixed screw terminals provide access to programmable alarm relay contacts. Two fixed screw terminals are used to connect the MTL838C[-xxx] to ground for EMC purposes. A 3-position pluggable screw terminal connector is used for the Data Highway port that connects the MTL838C[-xxx] to the Transmitter(s). The last connection on the MTL838C[-xxx] is to the control system. This connection depends on the model number. The MTL838C has two 3-position fixed terminal RS-485/Modbus ports. The MTL838C-MBT and MTL838C-EIP each have an RJ-45 Ethernet port.

The MTL838C[-xxx] Receiver is intended for installation on a 7.5mm x 35mm 'top hat' DIN Rail within a secondary enclosure providing a minimum Ingress Protection of IP54

**Ratings** - The MTL838C[-xxx] Receiver operates at 19-30 Vdc, from a SELV power supply. The receivers are rated for use in an ambient temperature range of -40°C to +70°C.

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

1. The equipment shall be installed within an enclosure that provides a minimum ingress protection of IP54 in accordance with IEC 60079-0.
2. The surface of the equipment may cause risk of electrostatic discharge. Avoid installation that could cause electrostatic build-up and clean with a damp cloth.