CERTIFICATE OF CONFORMITY

1. **HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**
2. **Certificate No:** **FM20US0158X**
3. **Equipment:** **MTL838C[-MBT, -EIP] Receiver**
   (Type Reference and Name)
4. **Name of Listing Company:** **Relcom Inc.**
5. **Address of Listing Company:** **2221 Yew Street**
   Forest Grove, OR 97116
   USA
6. The examination and test results are recorded in confidential report number:

   PR458700 dated 26th January 2021

7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

   FM Class 3600:2018, FM Class 3611:2018, FM Class 3810:2018,
   ANSI/UL 60079-0:2020, ANSI/UL 60079-7:2017, ANSI/ISA 61010-1:2012, ANSI/UL 121201:2019

8. If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
9. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.
10. Equipment Ratings:

    Nonincendive for Class I, Division 2, Groups A, B, C and D; Class I, Zone 2, Group IIC hazardous (classified) locations; Increased safety 'ec' protection for Class I, Zone 2, Group IIC; T4 Ta = -40°C to +70°C

Certificate issued by:

J.E. Marquedant
VP, Manager - Electrical Systems

26 January 2021
Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

SCHEDULE

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11. The marking of the equipment shall include:

Class I, Division 2, Groups A, B, C, D; T4

Class I, Zone 2, IIC T4

Class I, Zone 2, AEx ec IIC T4 Gc

Ta = -40°C to +70°C

12. **Description of Equipment:**

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]) has been Approved separately under FM20US0142X.
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.

MTL838Ca Receiver
Class I, Div 2, Groups A, B, C and D; T4
Class I, Zone 2, IIC; T4
Class I, Zone 2, AEx ec IIC T4 Gc
T4, Ta = -40°C to +70°C

a = Option for control system interface:
blank = Modbus/RTU
-MBT = Modbus/TCP
-EIP = Ethernet/IP

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13. **Specific Conditions of Use:**

1. The equipment shall be installed within an enclosure that provides a minimum ingress protection of IP54 in accordance with ANSI/UL 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.

14. **Test and Assessment Procedure and Conditions:**

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

15. **Schedule Drawings**

A copy of the technical documentation has been kept by FM Approvals.

16. **Certificate History**

Details of the supplements to this certificate are described below:

Date	Description
26th January 2021	Original Issue.