

# CERTIFICATE OF CONFORMITY



1. **HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**
2. **Certificate No:** FM19US0185X
3. **Equipment:** FPS Series. Fieldbus Power Systems.  
**(Type Reference and Name)**
4. **Name of Listing Company:** Relcom Inc.
5. **Address of Listing Company:** 2221 Yew Street  
Forest Grove, Oregon 97116  
USA
6. The examination and test results are recorded in confidential report number:  
  
3021700 dated 1<sup>st</sup> December 2004
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 3611:2004, FM Class 3810:2018
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 use in Class I, Division 2, Groups A, B, C and D, Class I, Zone 2 IIC, Temperature Class T4, with an ambient temperature rating of -40°C to +60°C, indoor Hazardous (Classified) Locations.
11. The marking of the equipment shall include:

**Certificate issued by:**

J.E. Marquedant  
VP, Manager - Electrical Systems

24 October 2019

Date

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

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

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# SCHEDULE



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Class I Division 2, Groups A, B, C, D; T4 Ta = -40°C to +60°C

Class I, Zone 2, Groups A, B, C, D; T4 Ta = -40°C to +60°C

## 12. Description of Equipment:

**General** - The Fieldbus Power System (FPS) provides redundant or dual power conditioning for Fieldbus H1 network segments and facilitates the connection of redundant input power supplies.

**Construction** - The equipment is provided without a final enclosure. Use in a Class I, Division 2 and or a Class I, Zone 2 Hazardous (classified) location(s) requires that the equipment be installed within an enclosure capable of accepting one of the Class I, Division 2 wiring methods specified in the National Electrical Code (NFPA 70).

**Ratings** - The subject equipment operates on an input voltage of 18 to 30 VDC. The Fieldbus Power System (FPS) is rated for use in an ambient temperature range of -40°C to +60°C.

### **FPS Series. Fieldbus Power Systems.**

NI / I / 2 / ABCD / T4 Ta = -40°C to +60°C

I/2/IIC/T4, T4 Ta = -40°C to +60°C

### **Model FPS-1. Redundant Fieldbus Power System with Built-in Terminator. System includes:**

- (1) FPS-RCT. Redundant Coupler.
- (2) FPS-A01. Three-Pin Fieldbus Connectors.
- (1) FPS-A03. Power and Alarm Connector.
- (1) FPS-A04. Power and Alarm Jumper Assembly.

### **Model FPS-2. Redundant Fieldbus Power System without Built-in Terminator. System includes:**

- (1) FPS-RC. Redundant Coupler without Terminator.
- (2) FPS-A01. Three-Pin Fieldbus Connectors.
- (1) FPS-A03. Power and Alarm Connector.
- (1) FPS-A04. Power and Alarm Jumper Assembly.

### **Model FPS-DT. Dual Fieldbus Power System with Built-in Terminators. System includes:**

- (1) FPS-DCT. Dual Coupler.
- (4) FPS-A05. Three-Pin Fieldbus Connectors (3.81 mm).
- (1) FPS-A03. Power and Alarm Connector.
- (1) FPS-A04. Power and Alarm Jumper Assembly.

### **Model FPS-D. Dual Fieldbus Power System without Built-in Terminators. System includes:**

- (1) FPS-DC. Dual Coupler without Terminator.
- (4) FPS-A05. Three-Pin Fieldbus Connectors (3.81 mm).
- (1) FPS-A03. Power and Alarm Connector.
- (1) FPS-A04. Power and Alarm Jumper Assembly.

## 13. Specific Conditions of Use:

The subject equipment shall be installed in accordance with the enclosure, mounting, spacing, and segregation requirements of the ultimate application.

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# SCHEDULE



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**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
1 <sup>st</sup> December 2004	Original Issue.
24 <sup>th</sup> October 2019	<u>Supplement 2:</u> Report Reference: – RR220666 dated 24 <sup>th</sup> October 2019. Description of the Change: Remove FPS-IPM. Isolated Power Modules as an FM Approved module. Update to new Certificate format. Update standards: FM3610 from 1998, FM3810 from 1989 + Supplement 1 to 3810 (1995).

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