**Installation Manual**
20001965, Rev ED
January 2022

# CSA-D-IS Installation Instructions, MVD™ Transmitters

## Preparation

MICRO MOTION™

EMERSON™

### Safety messages

Safety messages are provided throughout this manual to protect personnel and equipment. Read each safety message carefully before proceeding to the next step.

### Safety and approval information

This Micro Motion product complies with all applicable European directives when properly installed in accordance with the instructions in this manual. Refer to the EU declaration of conformity for directives that apply to this product. The following are available: the EU declaration of conformity, with all applicable European directives, and the complete ATEX Installation Drawings and Instructions. In addition the IECEx Installation Instructions for installations outside of the European Union and the CSA Installation Instructions for installations in North America are available on the internet at www.emerson.com or through your local Micro Motion support center.

Information affixed to equipment that complies with the Pressure Equipment Directive, can be found on the internet at www.emerson.com. For hazardous installations in Europe, refer to standard EN 60079-14 if national standards do not apply.

### Other information

Full product specifications can be found in the product data sheet. Troubleshooting information can be found in the configuration manual. Product data sheets and manuals are available from the Micro Motion web site at www.emerson.com.

### Return policy

Follow Micro Motion procedures when returning equipment. These procedures ensure legal compliance with government transportation agencies and help provide a safe working environment for Micro Motion employees. Micro Motion will not accept your returned equipment if you fail to follow Micro Motion procedures.

Return procedures and forms are available on our web support site at www.emerson.com, or by phoning the Micro Motion Customer Service department.

### Emerson Flow customer service

Email:

- Worldwide: flow.support@emerson.com
- Asia-Pacific: APflow.support@emerson.com

Telephone:

| **North and South America** | | **Europe and Middle East** | | **Asia Pacific** | |
|---|---|---|---|---|---|
| United States | 800-522-6277 | U.K. and Ireland | 0870 240 1978 | Australia | 800 158 727 |
| Canada | +1 303-527-5200 | The Netherlands | +31 (0) 70 413 6666 | New Zealand | 099 128 804 |
| Mexico | +52 55 5809 5010 | France | +33 (0) 800 917 901 | India | 800 440 1468 |
| Argentina | +54 11 4809 2700 | Germany | 0800 182 5347 | Pakistan | 888 550 2682 |
| Brazil | +55 15 3413 8000 | Italy | +39 8008 77334 | China | +86 21 2892 9000 |
| Chile | +56 2 2928 4800 | Central & Eastern | +41 (0) 41 7686 111 | Japan | +81 3 5769 6803 |
| Peru | +51 15190130 | Russia/CIS | +7 495 995 9559 | South Korea | +82 2 3438 4600 |
| | | Egypt | 0800 000 0015 | Singapore | +65 6 777 8211 |
| | | Oman | 800 70101 | Thailand | 001 800 441 6426 |
| | | Qatar | 431 0044 | Malaysia | 800 814 008 |
| | | Kuwait | 663 299 01 | | |
| | | South Africa | 800 991 390 | | |
| | | Saudi Arabia | 800 844 9564 | | |
| | | UAE | 800 0444 0684 | | |

# Contents

# 1 Before you begin

## 1.1 About this document

Use this manual to ensure that any applicable Micro Motion flow meter installation complies with Canadian Standards Association (CSA) safety standards.

The information in this document assumes that users understand basic transmitter and sensor installation concepts and procedures.

This manual provides only information associated with installation of transmitters through CSA-D-IS, MVD instructions. For complete information on flow meter installation, see the documentation provided with your sensor and transmitter.

## 1.2 Hazard messages

This document uses the following criteria for hazard messages based on ANSI standards Z535.6-2011 (R2017).

**DANGER**
Serious injury or death will occur if a hazardous situation is not avoided.

**WARNING**
Serious injury or death could occur if a hazardous situation is not avoided.

**CAUTION**
Minor or moderate injury will or could occur if a hazardous situation is not avoided.

**NOTICE**
Data loss, property damage, hardware damage, or software damage can occur if a situation is not avoided. There is no credible risk of physical injury.

### Physical access

**NOTICE**
Unauthorized personnel can potentially cause significant damage and/or misconfiguration of end users' equipment. Protect against all intentional or unintentional unauthorized use.

Physical security is an important part of any security program and fundamental to protecting your system. Restrict physical access to protect users' assets. This is true for all systems used within the facility.

# 1.3 Hazardous area installations

If your cable will be installed in a hazardous area, ensure that it meets the hazardous area requirements.

**WARNING**
Failure to maintain intrinsic safety in a hazardous area could cause an explosion resulting in injury or death.

To keep sensor wiring intrinsically safe:

- Keep intrinsically safe (IS) sensor wiring separate from power supply wiring and output wiring.
- Do not install power cable in the same conduit or cable tray as flow meter cable.
- Use this document with the appropriate approvals documentation. These manuals are shipped with the flow meter or available at www.emerson.com.
- For hazardous area installations in Europe, refer to standard EN 60079-14 if national standards do not apply.

# 2 800 Enhanced core processor

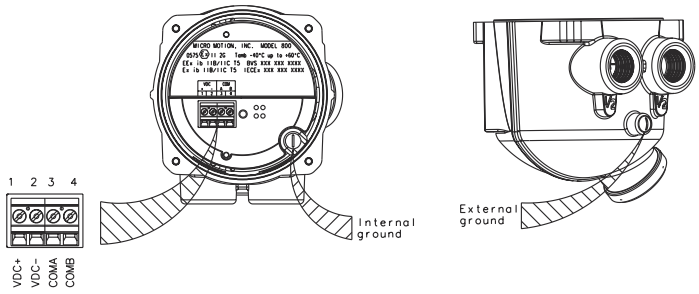
This drawing describes an 800 enhanced core processor installation.

800 ENHANCED CORE PROCESSOR IN HAZARDOUS LOCATION

Hazardous Area
Class I Div. 1 Groups C,D
Class I Div. 2 Groups A,B,C,D
Class II Groups E,F,G

| I.S. AND NON-INCENDIVE 800 ENHANCED CORE PROCESSOR(INPUT) ENTITY PRMTRS / 4-WIRE TERMINAL | |
|---|---|
| VMAX | 17.22 Vdc |
| Imax | 488 mA |
| Pmax | 2.1W |
| Ci | 2200pF |
| Li | 30µH |

ENHANCED CORE PROCESSOR




This unit is provided with an internal and external terminal for supplementary bonding connection. This terminal is for use where local codes or authorities permit or require such connection.

INSTALLATION NOTES:

| ASSOCIATED APPARATUS PARAMETER LIMITS |
|---|
| Voc < = Vmax |
| Isc < = Imax |
| (Voc x Isc) / 4 < = Pmax |
| *Ca > = Ccable + Ci1 + Ci2 + ... + Cin |
| *La > = Lcable + Li1 + Li2 + ... + Lin |

*The total Ci is equal to the sum of all Ci's of all devices on the network. Ccable is the total capacitance of all cable on the network.

*The total Li is equal to the sum of all Li's of all devices on the network. Lcable is the total inductance of all cable on the network.

If the electrical parameters of the cable are unknown, then the following values may be used:
Cable Capacitance = 60pF/ft
Cable Inductance = 0.20µH/ft

This device must not be connected to any associated apparatus which uses or generates more than 250Vrms with respect to earth ground.

Electronics: ENHANCED CORE PROCESSOR

EB-20003427 Rev. A
SHT 1 OF 1

# 3 1500 and 2500 transmitters

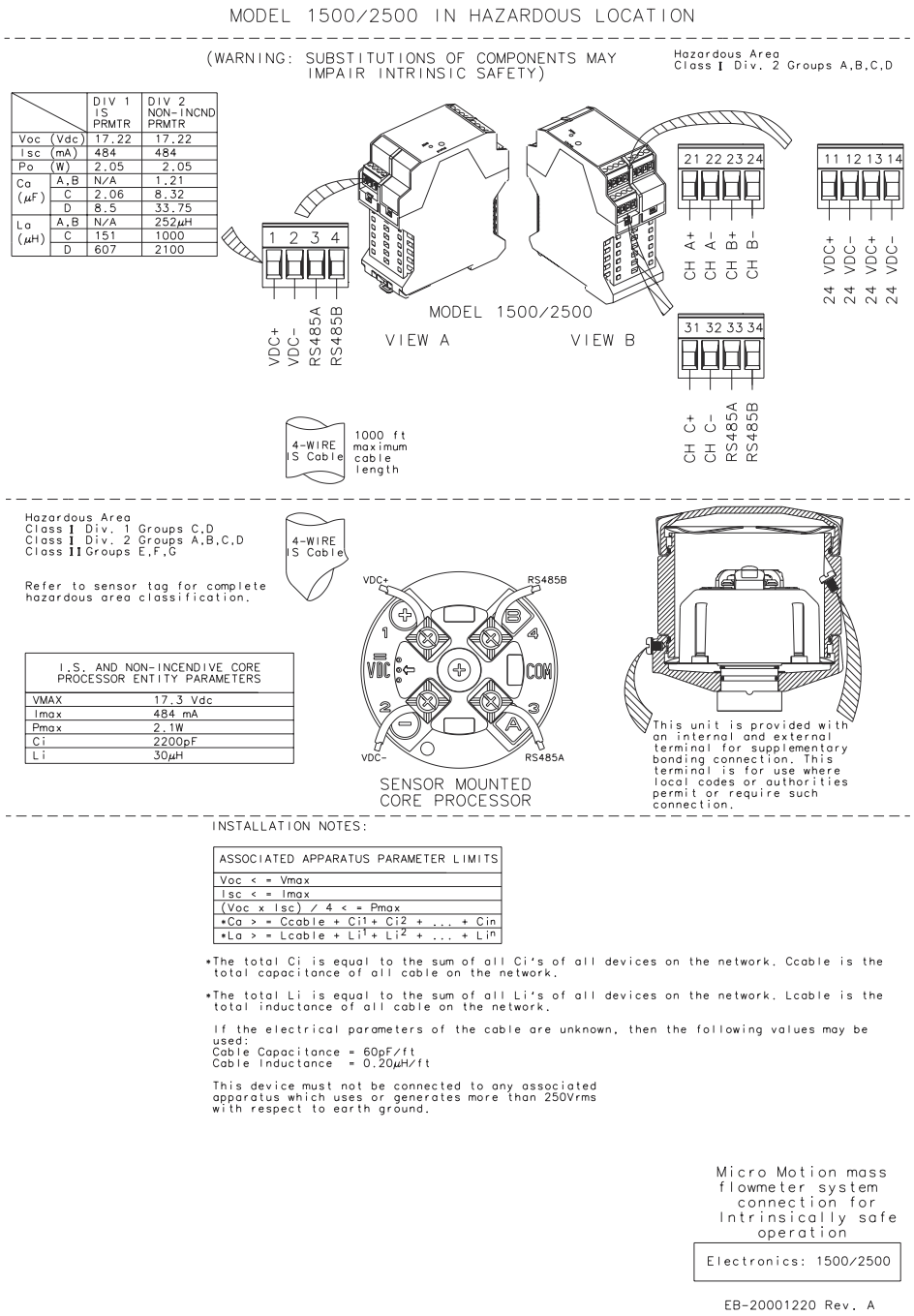
## 3.1 1500/2500 4-wire installations

### List of drawings

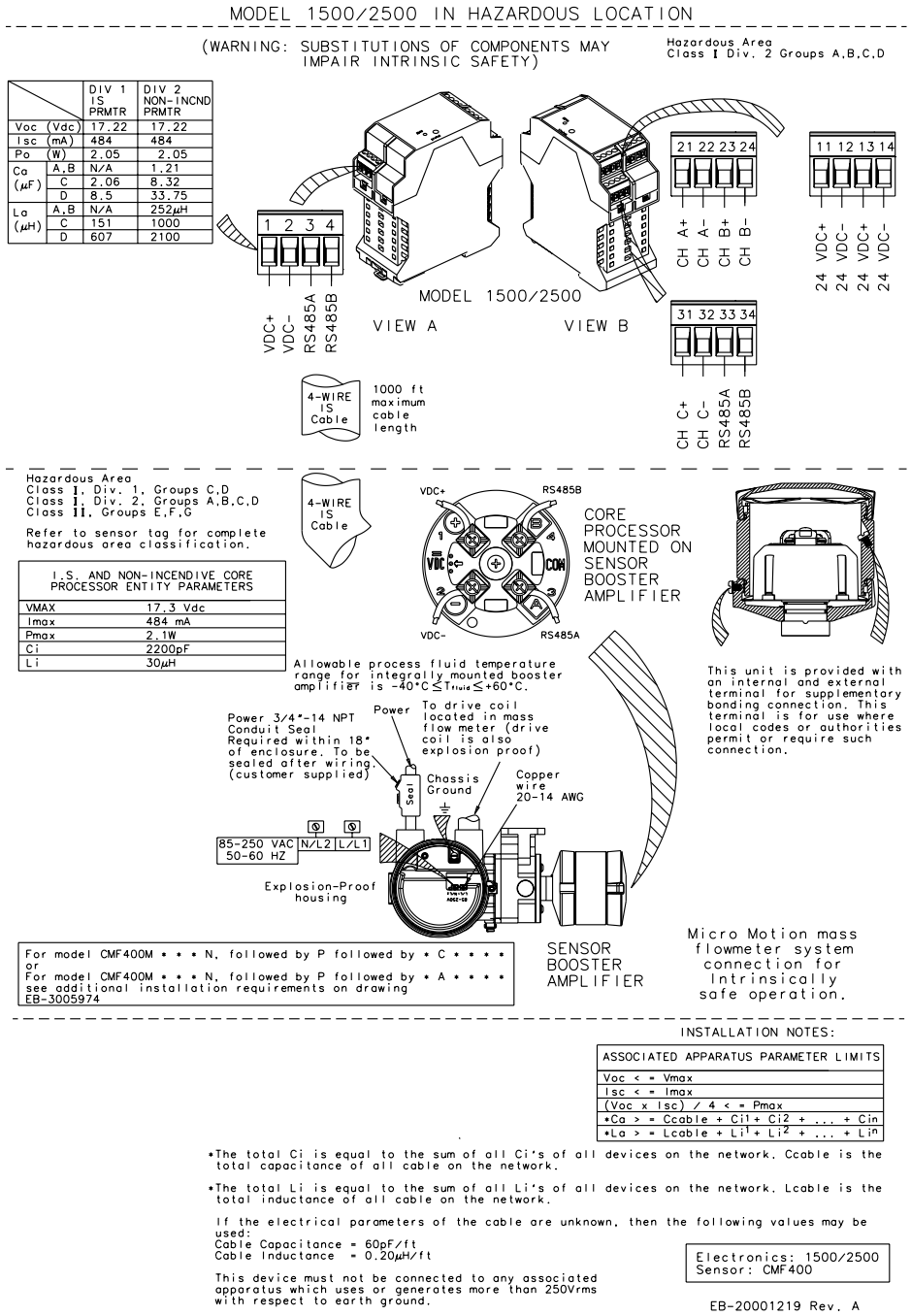
| Installation | Drawing |
|---|---|
| 1500/2500 4-wire core processor to CMF, F, H, R, CNG, or T sensors | EB-20001220, Revision A |
| 1500/2500 4-wire with core processor and CMF400 sensor with booster amplifier | EB-20001219, Revision A |
| 1500/2500 4-wire with core processor and D600 sensor | EB-20001218, Revision A |
| 1500/2500 4-wire with enhanced core processor and sensor | EB-20003009, Revision A |

## 3.1.1 1500/2500 4-wire core processor to CMF, F, H, R, CNG, or T sensors

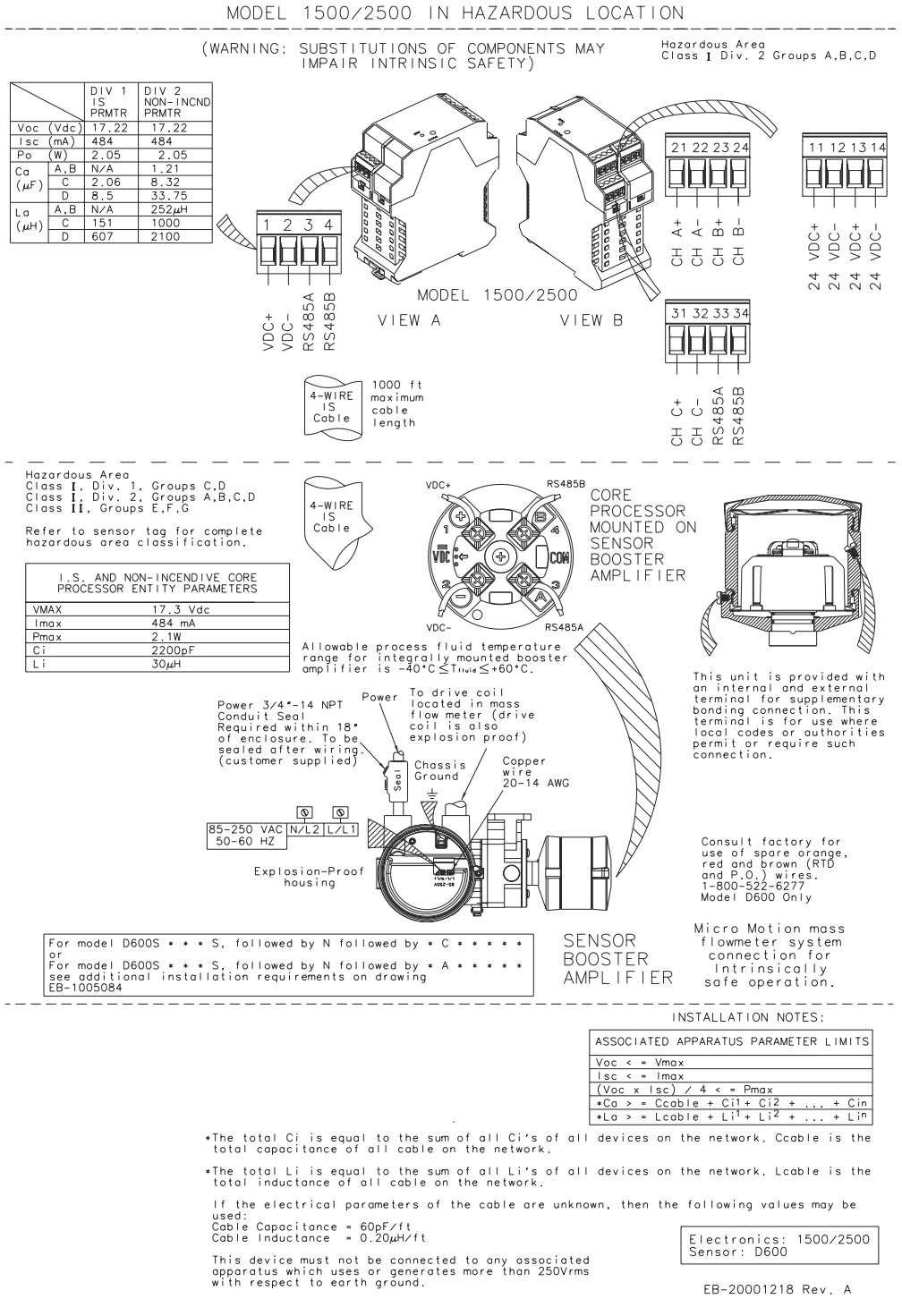
This drawing does not apply to the CMF300A sensor or to the CMF400 sensor with booster amplifier.



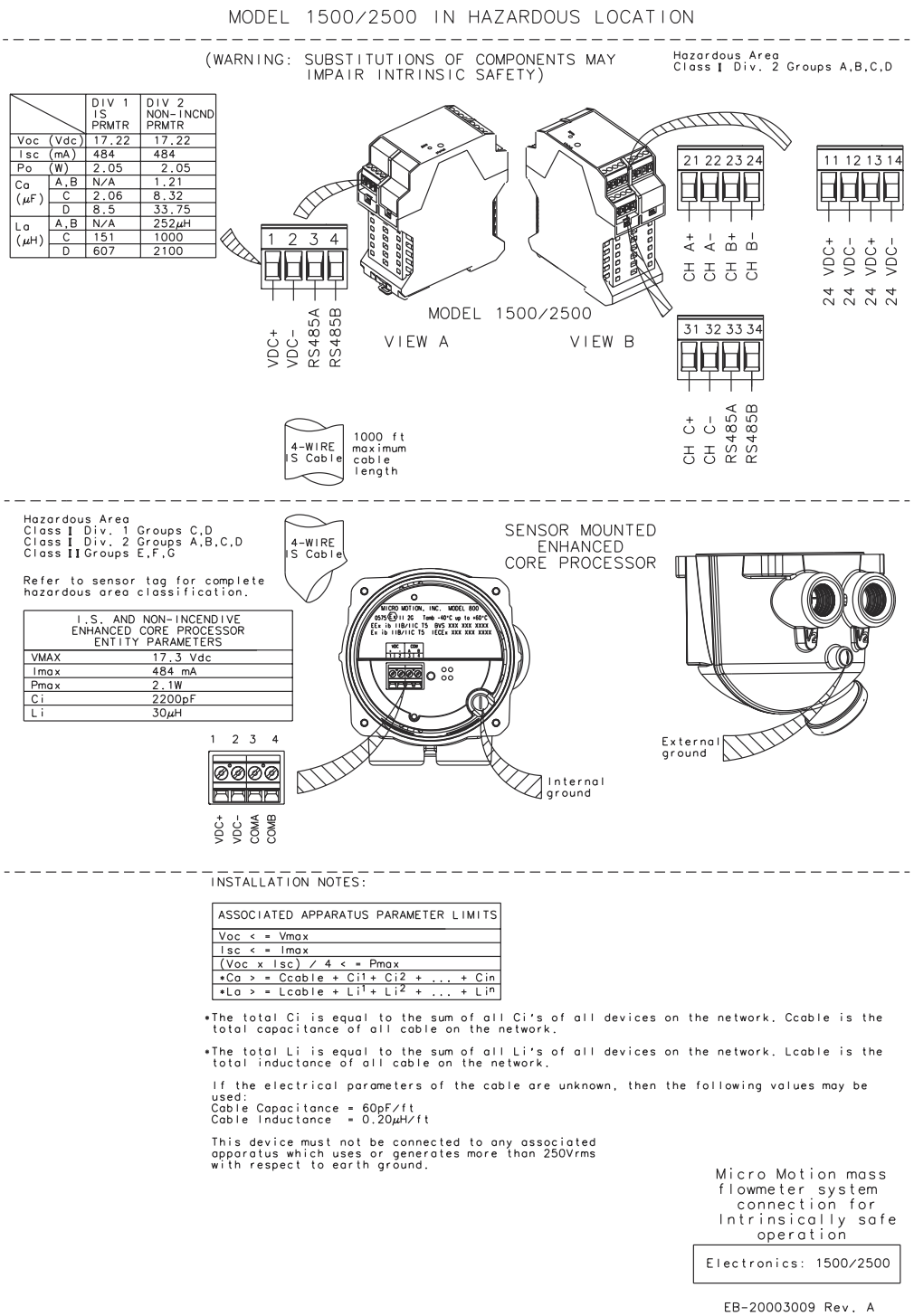
## 3.1.2 1500/2500 4-wire with core processor and CMF400 sensor with booster amplifier



# 3.1.3 1500/2500 4-wire with core processor and D600 sensor



## 3.1.4 1500/2500 4-wire with enhanced core processor and sensor



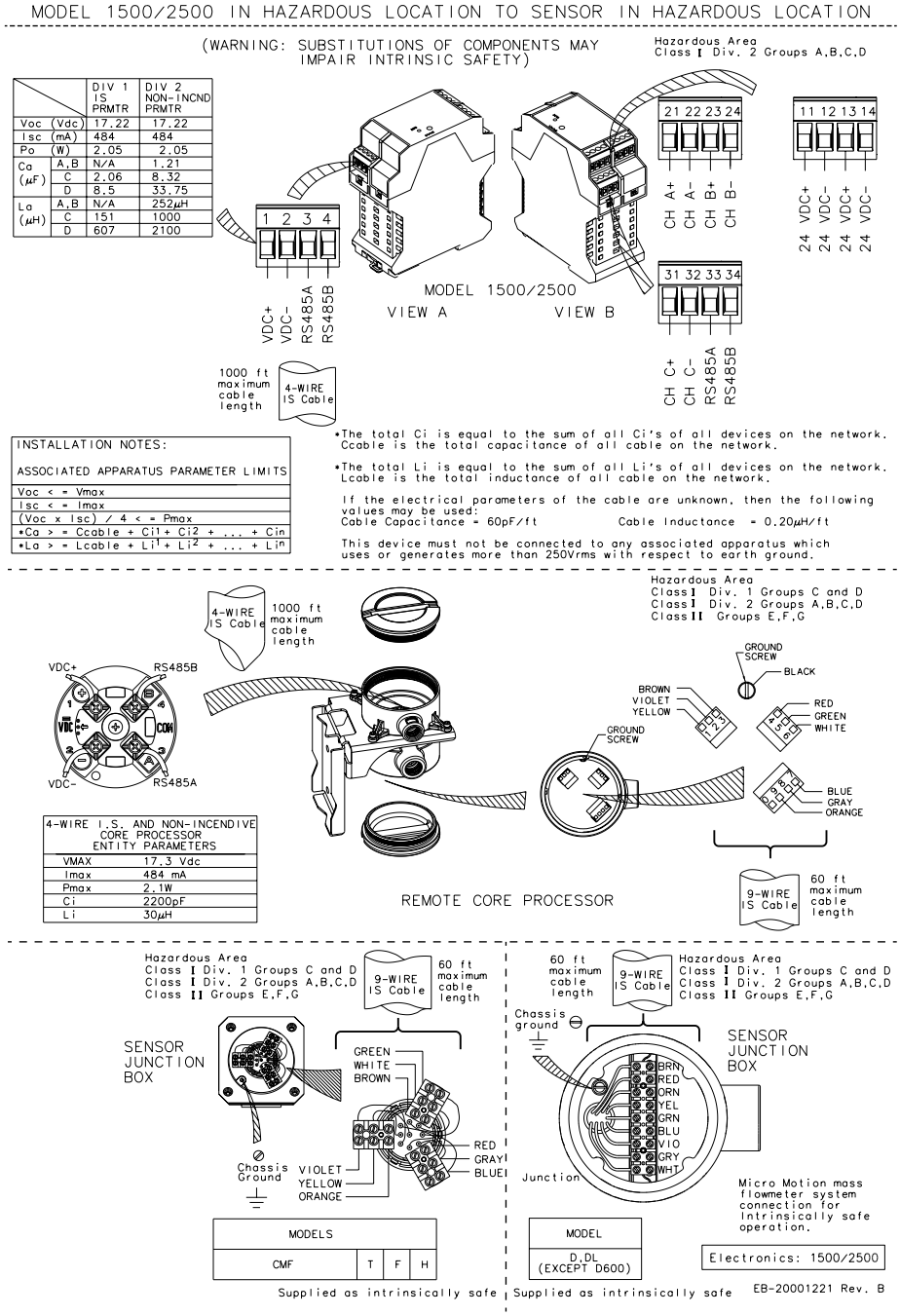
# 3.2 1500/2500 9-wire installations

### List of drawings

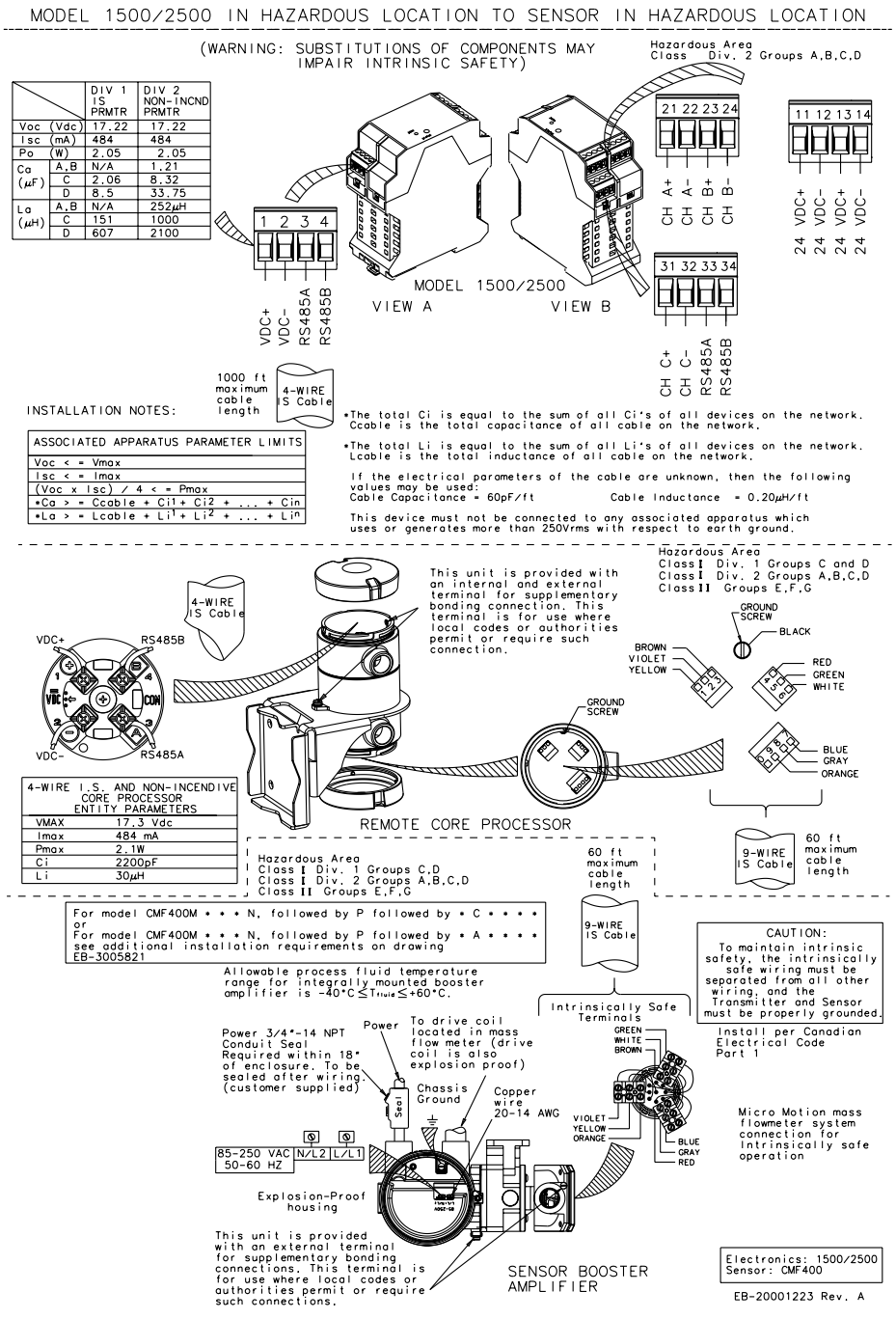
| Installation | Drawing |
|---|---|
| 1500/2500 with remote core processor and CMF, D, DL, F, H, or T sensors | EB-20001221 Revision BA |
| 1500/2500 with remote core processor and CMF400 sensor with booster amplifier | EB-20001223, Revision A |
| 1500/2500 with core processor and D600 sensor | EB-20001222, Revision A |
| 1500/2500 with core processor and DT sensor | EB-20001225, Revision A |

## 3.2.1 1500/2500 with remote core processor and CMF, D, DL, F, H, or T sensors

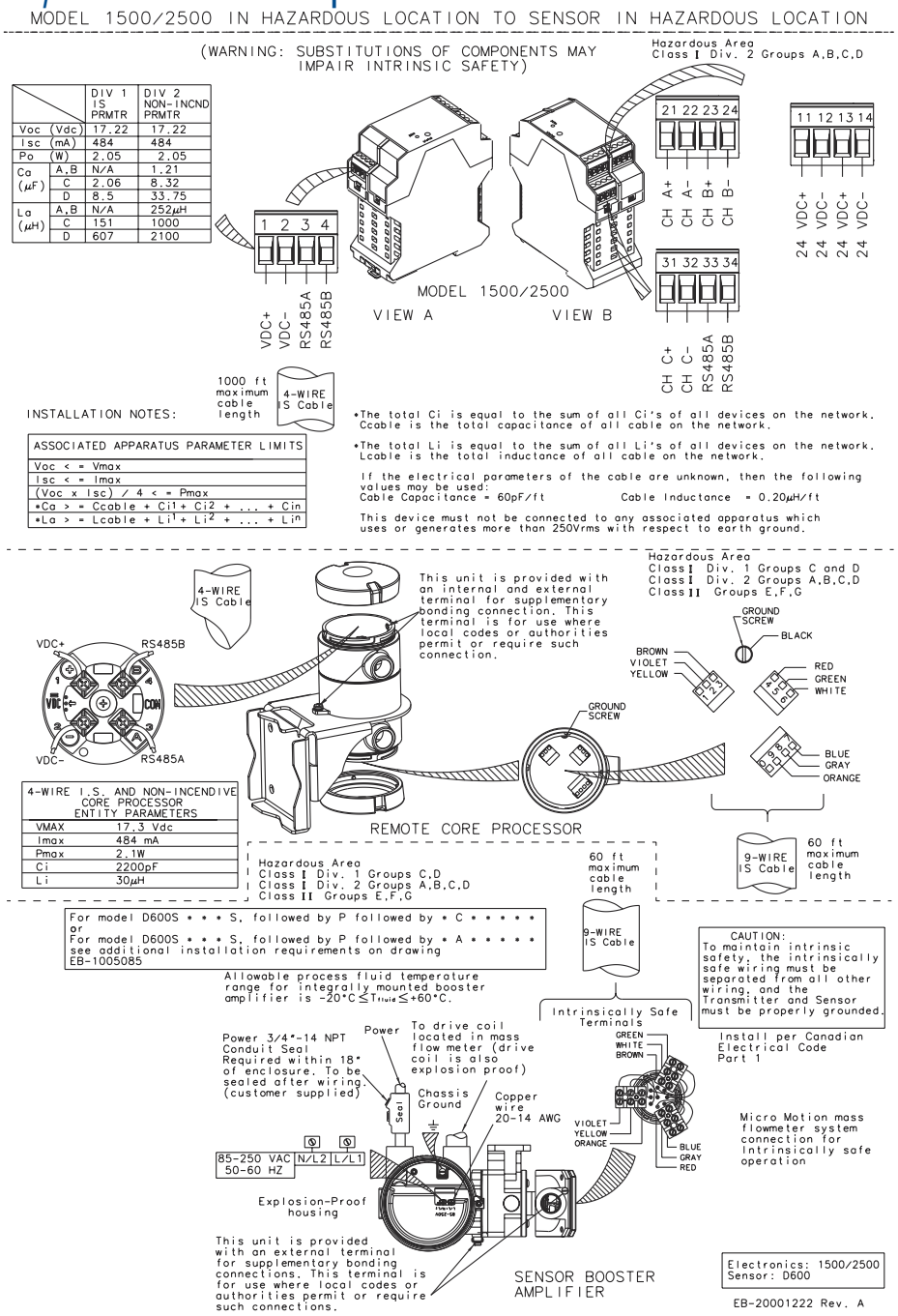
This drawing does not apply to the D600, DT, or CMF400 with booster amplifier sensors.



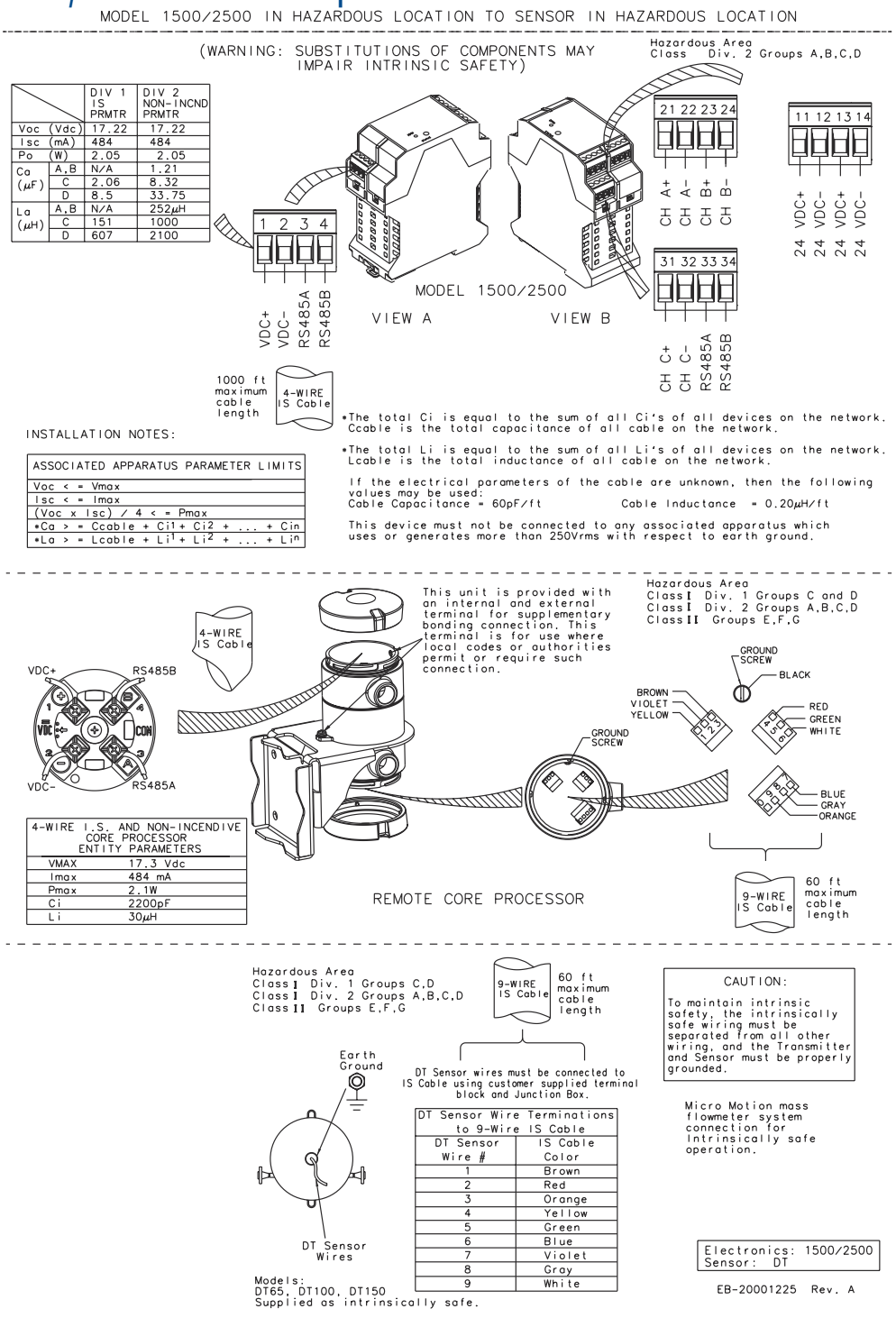
## 3.2.2 1500/2500 with remote core processor and CMF400 sensor with booster amplifier



# 3.2.3 1500/2500 with core processor and D600 sensor



# 3.2.4 1500/2500 with core processor and DT sensor



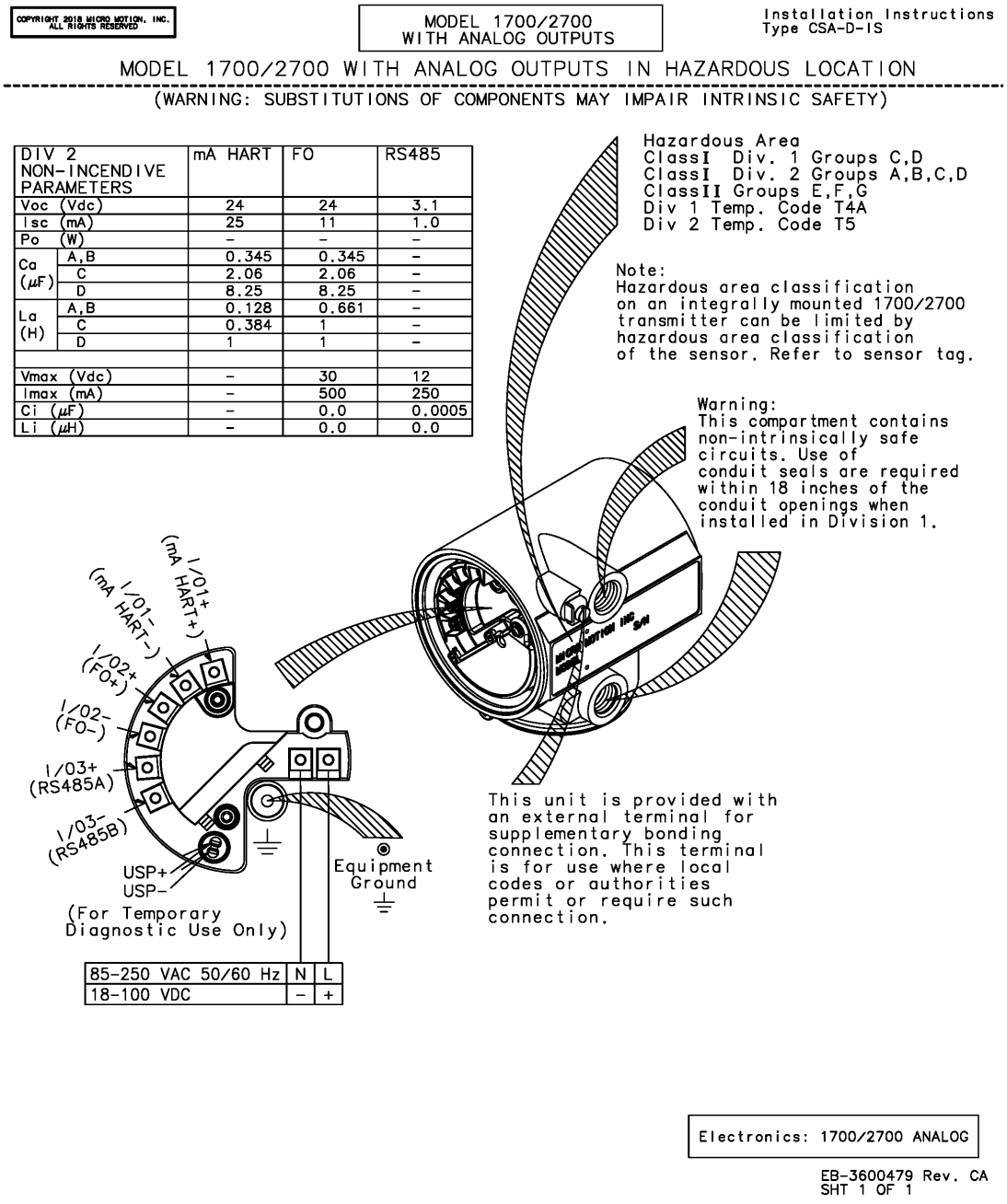
# 4 1700 and 2700 transmitters

## 4.1 1700 and 2700 transmitter outputs

### List of drawings

| Transmitter | Drawing |
|---|---|
| 1700/2700 mA Outputs | EB-3600479, Revision CA |
| 1700/2700 intrinsically safe outputs | EB-3600629, Revision DA |
| 2700 configurable inputs and outputs | EB-3600667, Revision B |
| 1700/2700 FOUNDATION™ fieldbus outputs | EB-3600476, Revision DA |
| 1700/2700 fieldbus (FISCO) | EB-20007552, Revision B |
| 1700/2700 Profibus-PA outputs | EB-3600473, Revision DA |
| 2750 configurable inputs and outputs | EB-20011794, Revision A |

## 4.1.1 1700/2700 mA Outputs



## 4.1.2 1700/2700 intrinsically safe outputs



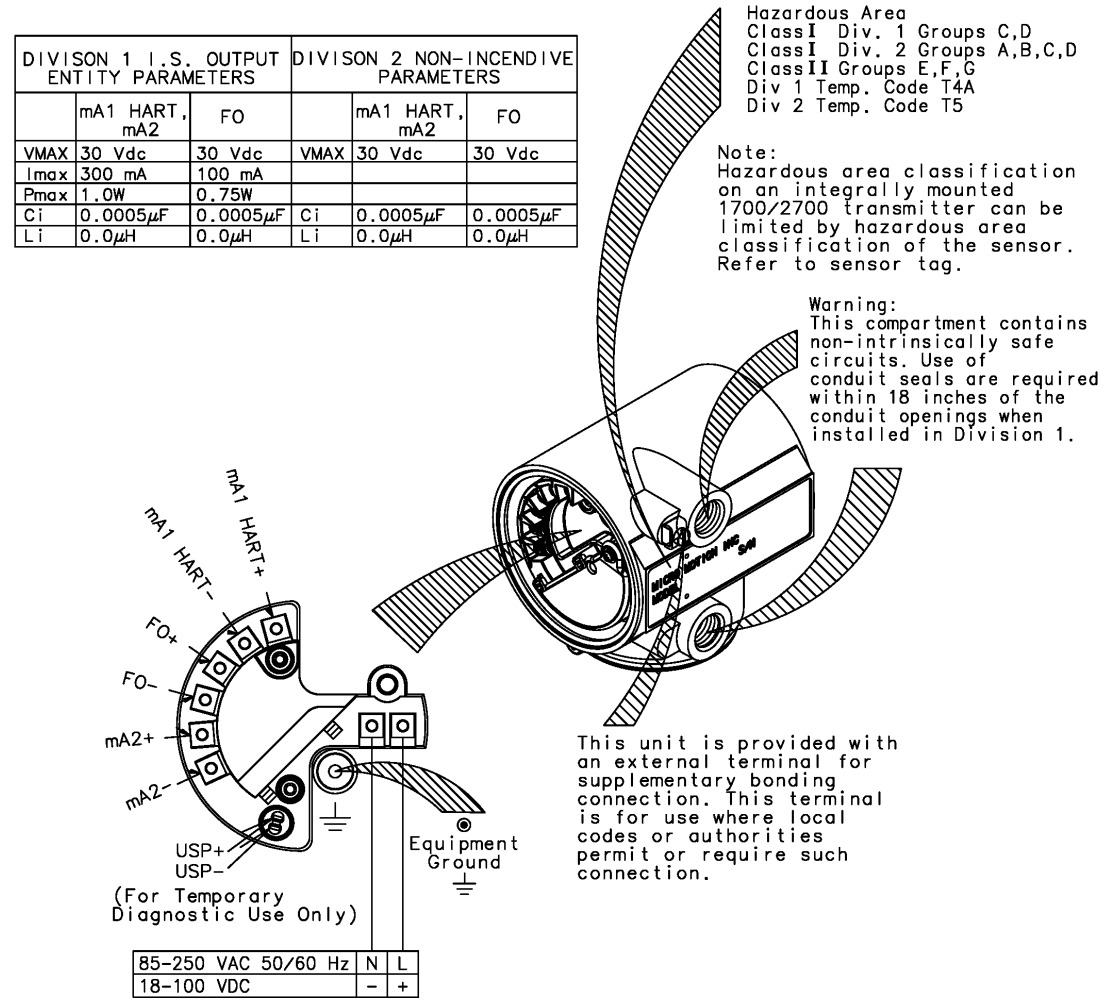
MODEL 1700/2700
WITH I.S. OUTPUTS

Installation Instructions
Type CSA-D-IS

MODEL 1700/2700 WITH I.S. OUTPUTS IN HAZARDOUS LOCATION

(WARNING: SUBSTITUTIONS OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY)

| DIVISON 1 I.S. OUTPUT ENTITY PARAMETERS | | | DIVISON 2 NON-INCENDIVE PARAMETERS | | |
|---|---|---|---|---|---|
| | mA1 HART, mA2 | FO | | mA1 HART, mA2 | FO |
| VMAX | 30 Vdc | 30 Vdc | VMAX | 30 Vdc | 30 Vdc |
| Imax | 300 mA | 100 mA | | | |
| Pmax | 1.0W | 0.75W | | | |
| Ci | 0.0005µF | 0.0005µF | Ci | 0.0005µF | 0.0005µF |
| Li | 0.0µH | 0.0µH | Li | 0.0µH | 0.0µH |




Electronics: 1700/2700 I.S. OUTPUT

EB-3600629 Rev. DA
SHT 1 OF 1

## 4.1.3 2700 configurable inputs and outputs



MODEL 1700/2700
WITH CONFIG I/O

Installation Instructions
Type CSA-D-IS

MODEL 2700 WITH CONFIG I/O IN HAZARDOUS LOCATION

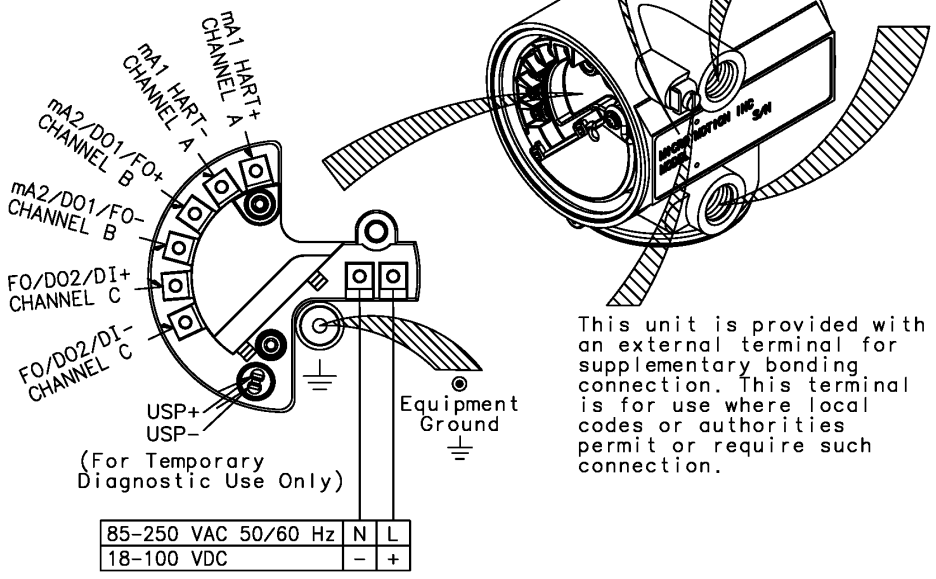
(WARNING: SUBSTITUTIONS OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY)

| DIV 2 NON-INCENDIVE PARAMETERS | | mA HART | CHB | CHC |
|---|---|---|---|---|
| Voc (Vdc) | | 24 | 15 | 15 |
| Isc (mA) | | 25 | 25 | 7.0 |
| Po (W) | | - | - | - |
| Ca (μF) | A,B | 0.345 | 2.25 | - |
| | C | 2.06 | 15.15 | - |
| | D | 8.25 | 75 | - |
| La (H) | A,B | 0.096 | 0.096 | - |
| | C | 0.384 | 0.384 | - |
| | D | 0.768 | 0.768 | - |
| | | | | |
| Vmax (Vdc) | | - | 30 | 30 |
| Imax (mA) | | - | 500 | 500 |
| Ci (μF) | | - | 0.0011 | 0 |
| Li (μH) | | - | 4.0 | 4.0 |

Hazardous Area
ClassI Div. 1 Groups C,D
ClassI Div. 2 Groups A,B,C,D
ClassII Groups E,F,G
Div 1 Temp. Code T4A
Div 2 Temp. Code T5

Note:
Hazardous area classification on an integrally mounted 1700/2700 transmitter can be limited by hazardous area classification of the sensor. Refer to sensor tag.

Warning:
This compartment contains non-intrinsically safe circuits. Use of conduit seals are required within 18 inches of the conduit openings when installed in Division 1.



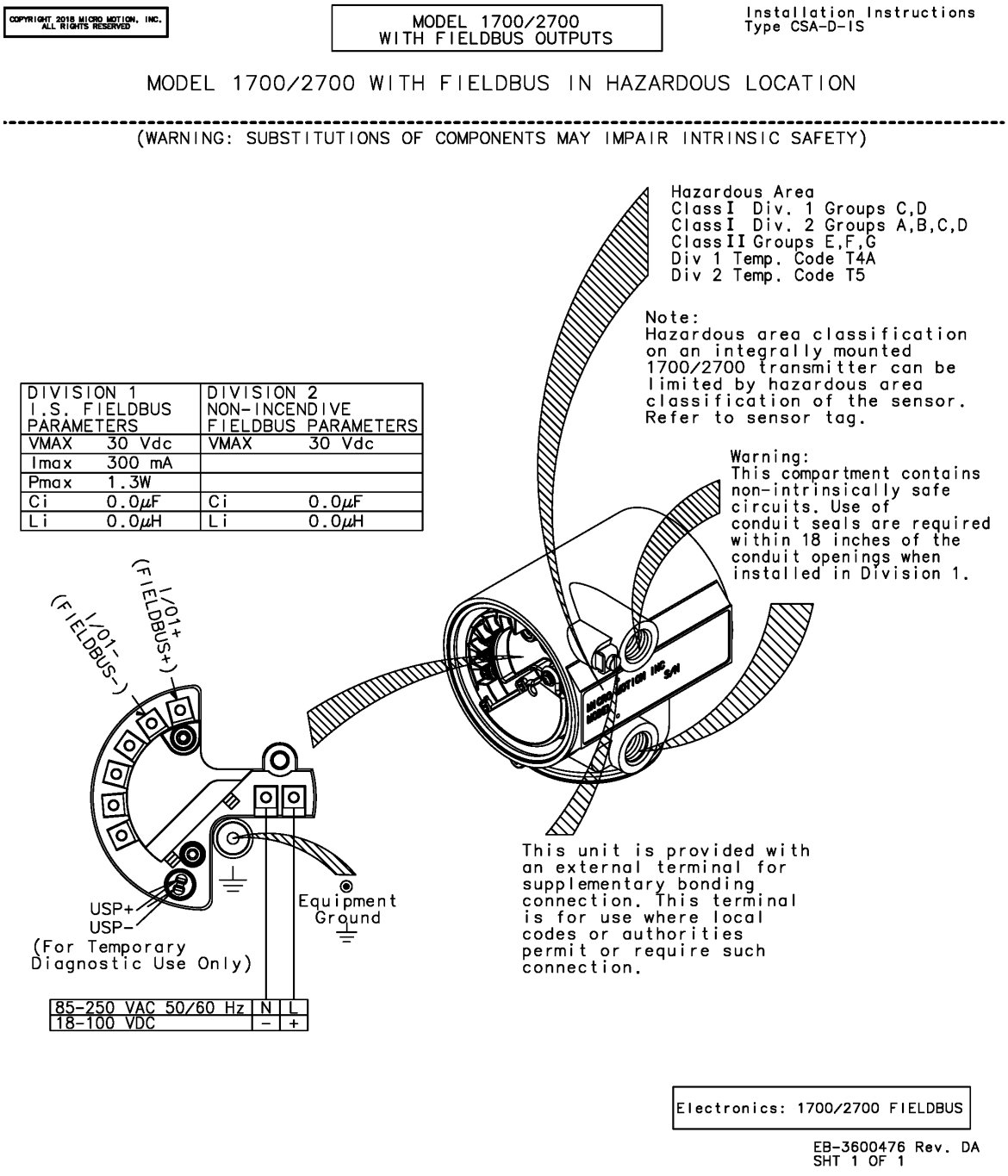

This unit is provided with an external terminal for supplementary bonding connection. This terminal is for use where local codes or authorities permit or require such connection.

| | | |
|---|---|---|
| 85-250 VAC 50/60 Hz | N | L |
| 18-100 VDC | - | + |

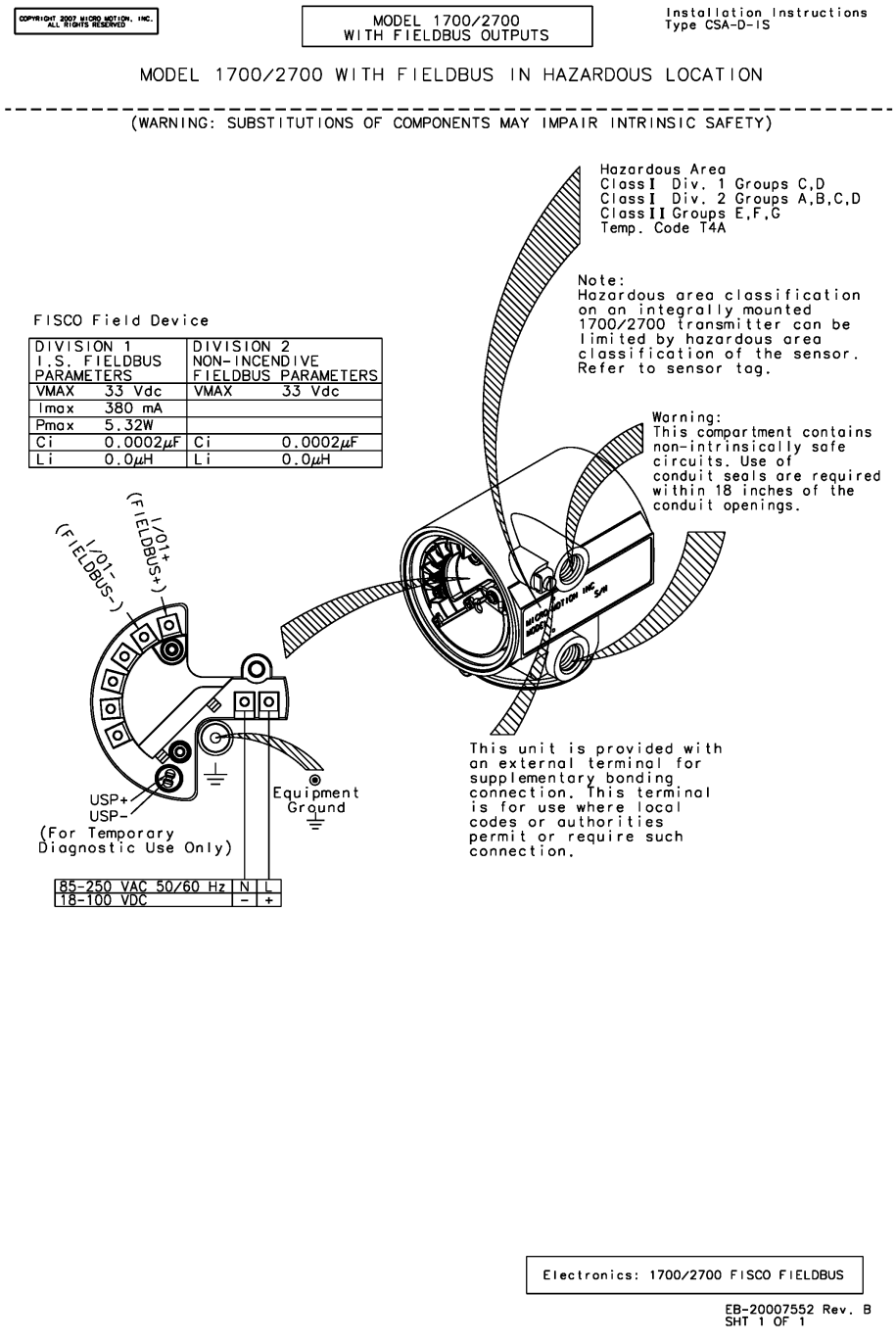
Electronics: 1700/2700 CONFIG

EB-3600667 Rev. BA
SHT 1 OF 1

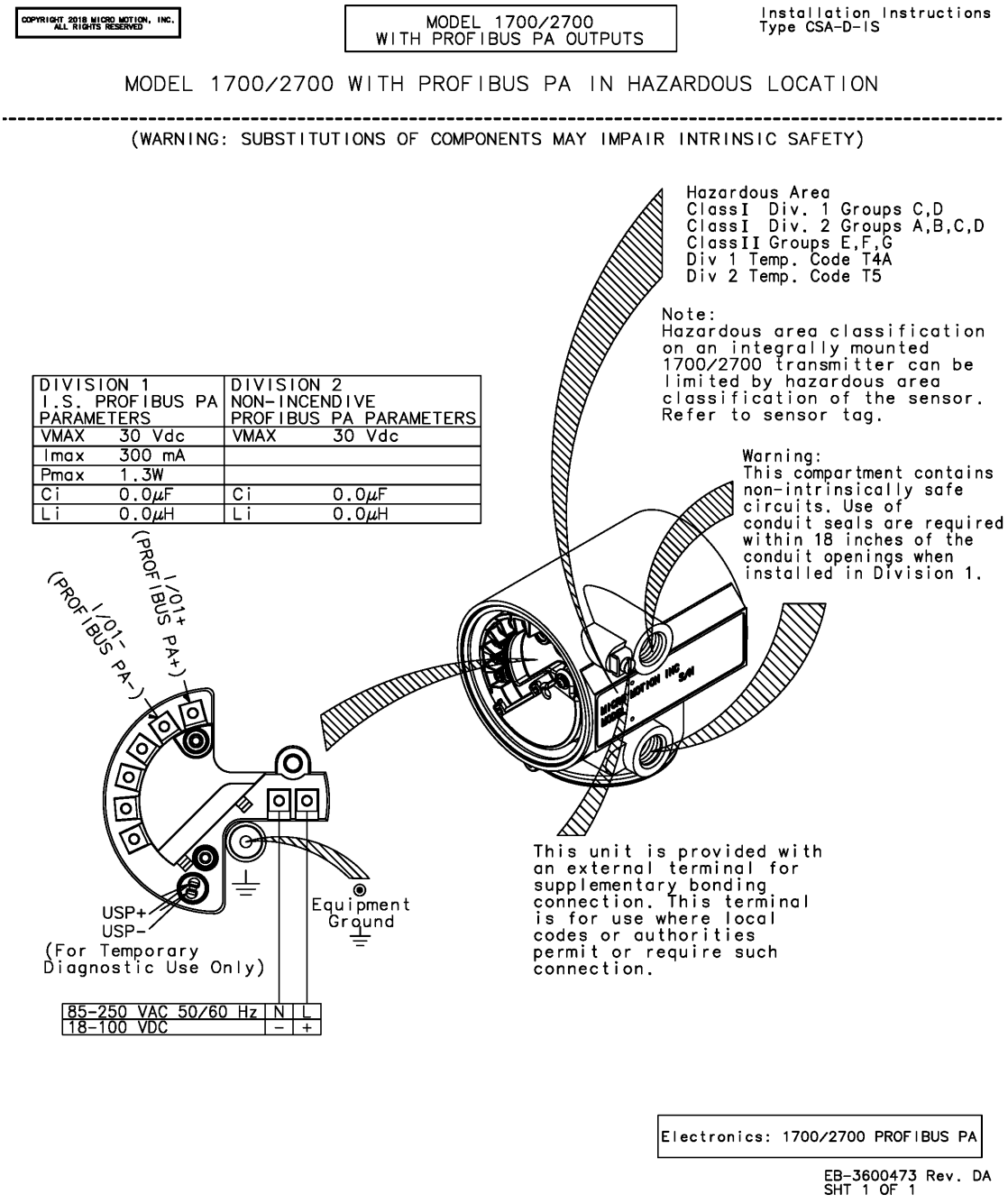
## 4.1.4 1700/2700 FOUNDATION™ fieldbus outputs



## 4.1.5 1700/2700 fieldbus (FISCO)



## 4.1.6 1700/2700 Profibus-PA outputs



## 4.1.7 2750 configurable inputs and outputs

MODEL 2750 WITH CONFIG I/O IN HAZARDOUS LOCATION

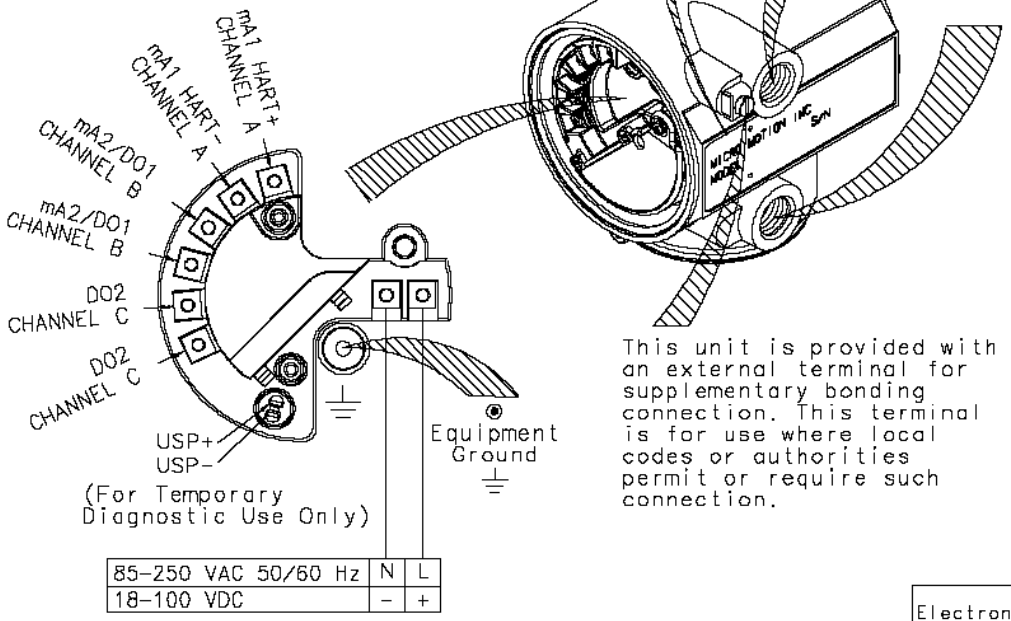
(WARNING: SUBSTITUTIONS OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY)

| DIV 2 NON-INCENDIVE PARAMETERS | | mA HART | CHB | CHC |
|---|---|---|---|---|
| Voc (Vdc) | | 24 | 15 | 15 |
| Isc (mA) | | 25 | 25 | 7.0 |
| Po (W) | | - | - | - |
| Ca (µF) | A,B | 0.345 | 2.25 | - |
| | C | 2.06 | 15.15 | - |
| | D | 8.25 | 75 | - |
| La (H) | A,B | 0.096 | 0.096 | - |
| | C | 0.384 | 0.384 | - |
| | D | 0.768 | 0.768 | - |
| | | | | |
| Vmax (Vdc) | | - | 30 | 30 |
| Imax (mA) | | - | 500 | 500 |
| Ci (µF) | | - | 0.0011 | 0 |
| Li (µH) | | - | 4.0 | 4.0 |

Hazardous Area
Class I Div. 1 Groups C,D
Class I Div. 2 Groups A,B,C,D
Class II Groups E,F,G
Temp. Code T4A

Note:
Hazardous area classification on an integrally mounted 2750 transmitter can be limited by hazardous area classification of the sensor. Refer to sensor tag.

Warning:
This compartment contains non-intrinsically safe circuits. Use of conduit seals are required within 18 inches of the conduit openings.




This unit is provided with an external terminal for supplementary bonding connection. This terminal is for use where local codes or authorities permit or require such connection.

| 85-250 VAC 50/60 Hz | N | L |
|---|---|---|
| 18-100 VDC | - | + |

Electronics: 2750 CONFIG I/O

EB-20011794 Rev. A
SHT 1 OF 1

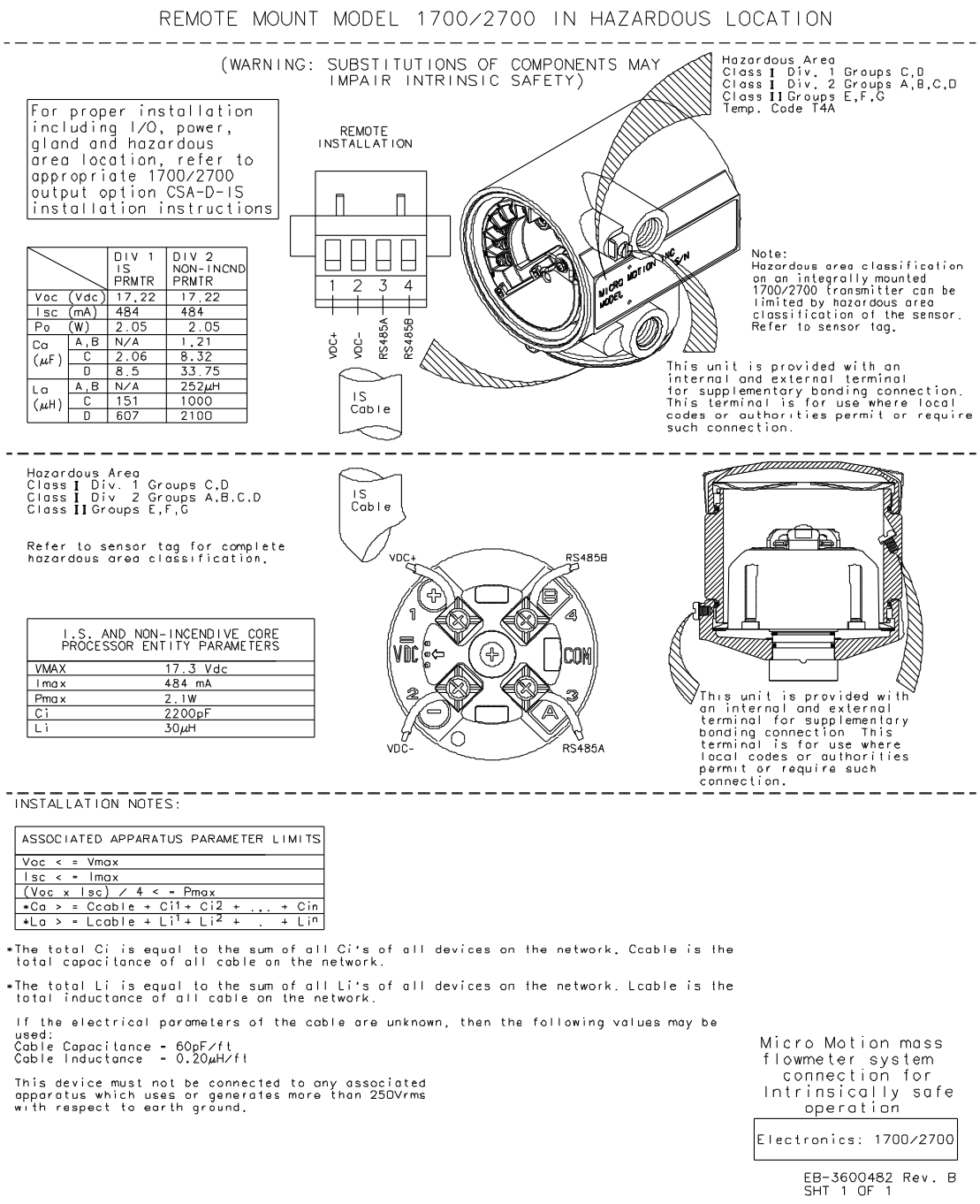
# 4.2 1700/2700 4-wire installations

### List of drawings

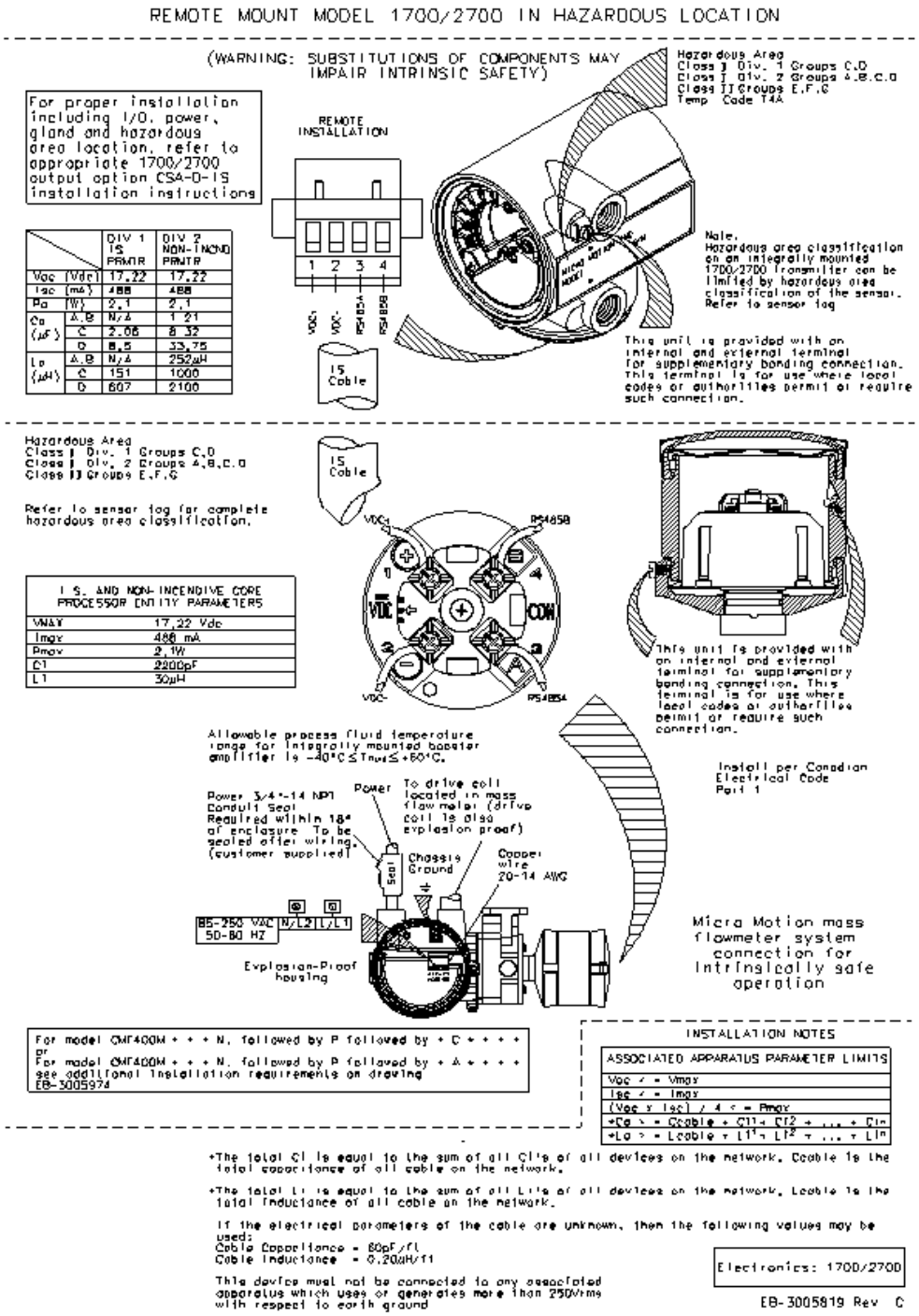
| Installation | Drawing |
|---|---|
| 1700/2700 4-wire with core processor and sensor | EB-3600482, Revision B |
| 1700/2700 4-wire with core processor and CMF400 sensor with booster amplifier | EB-3005819, Revision C |
| 1700/2700 4-wire with core processor and D600 sensor | EB-1005983, Revision B |
| 1700/2700 4-wire with enhanced core processor and sensor | EB-20003010, Revision A |

## 4.2.1 1700/2700 4-wire with core processor and sensor

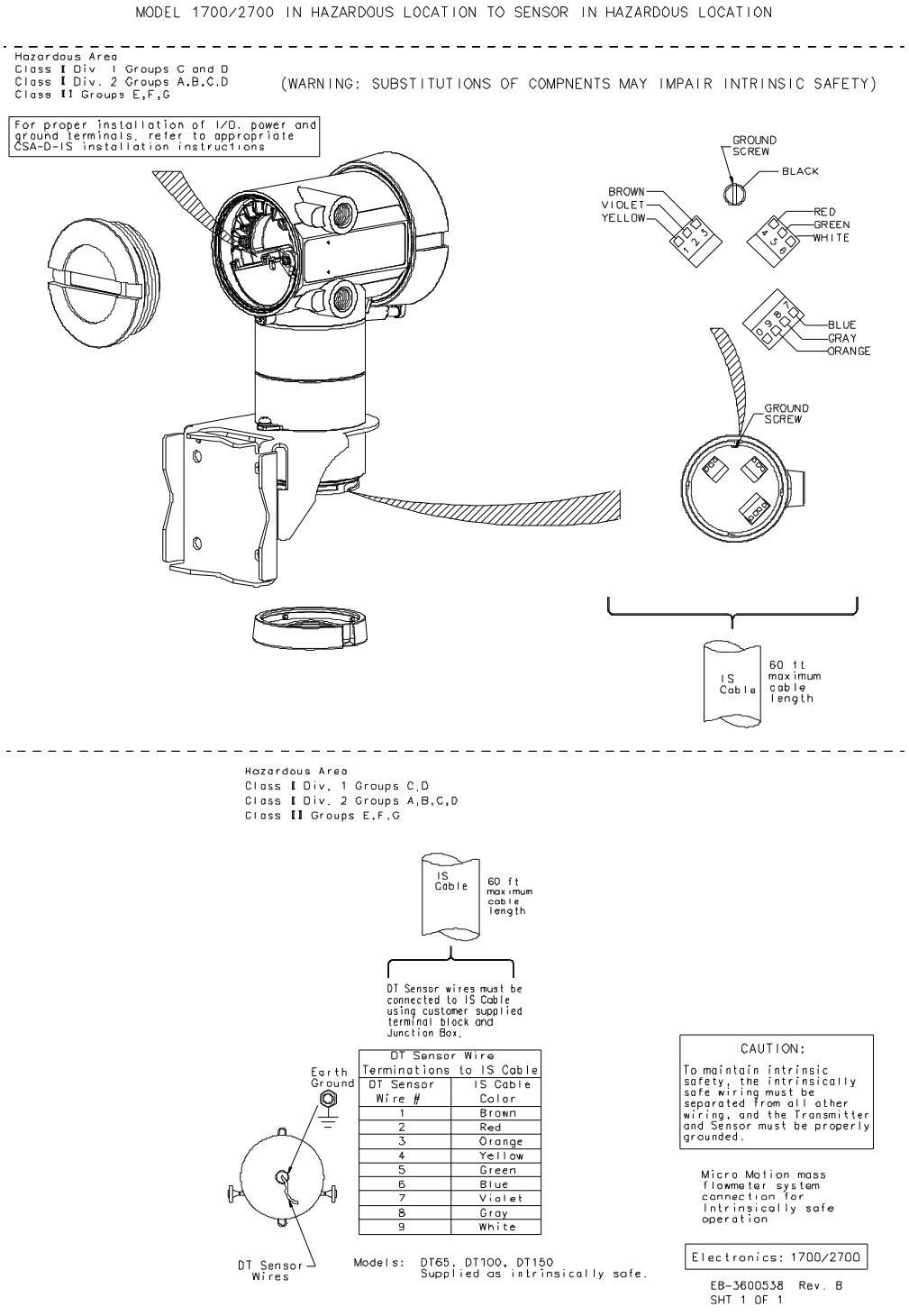
This drawing does not apply to D600 sensors or CMF400 sensors with a booster amplifier.



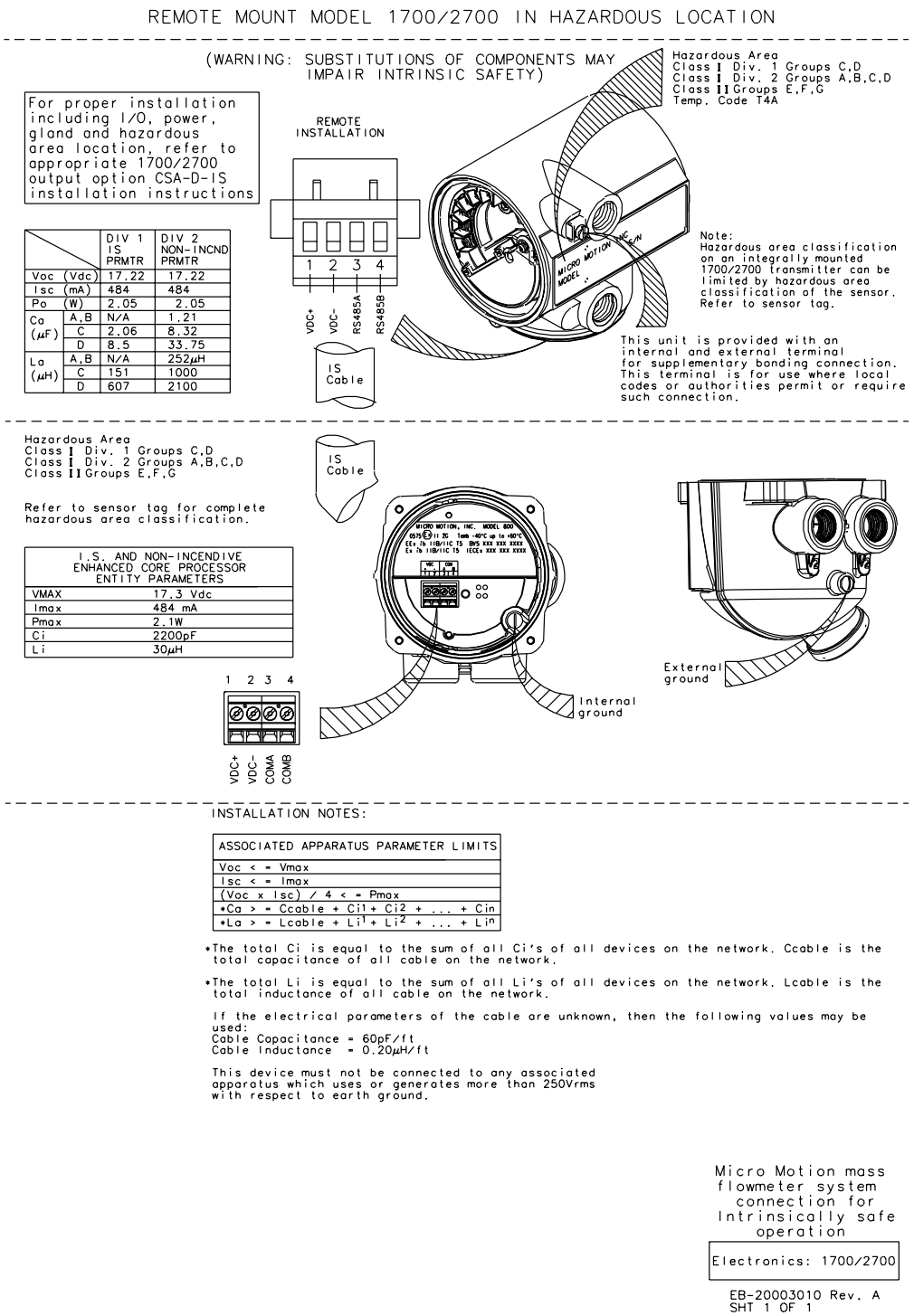
## 4.2.2 1700/2700 4-wire with core processor and CMF400 sensor with booster amplifier



## 4.2.3 1700/2700 4-wire with core processor and D600 sensor



## 4.2.4 1700/2700 4-wire with enhanced core processor and sensor



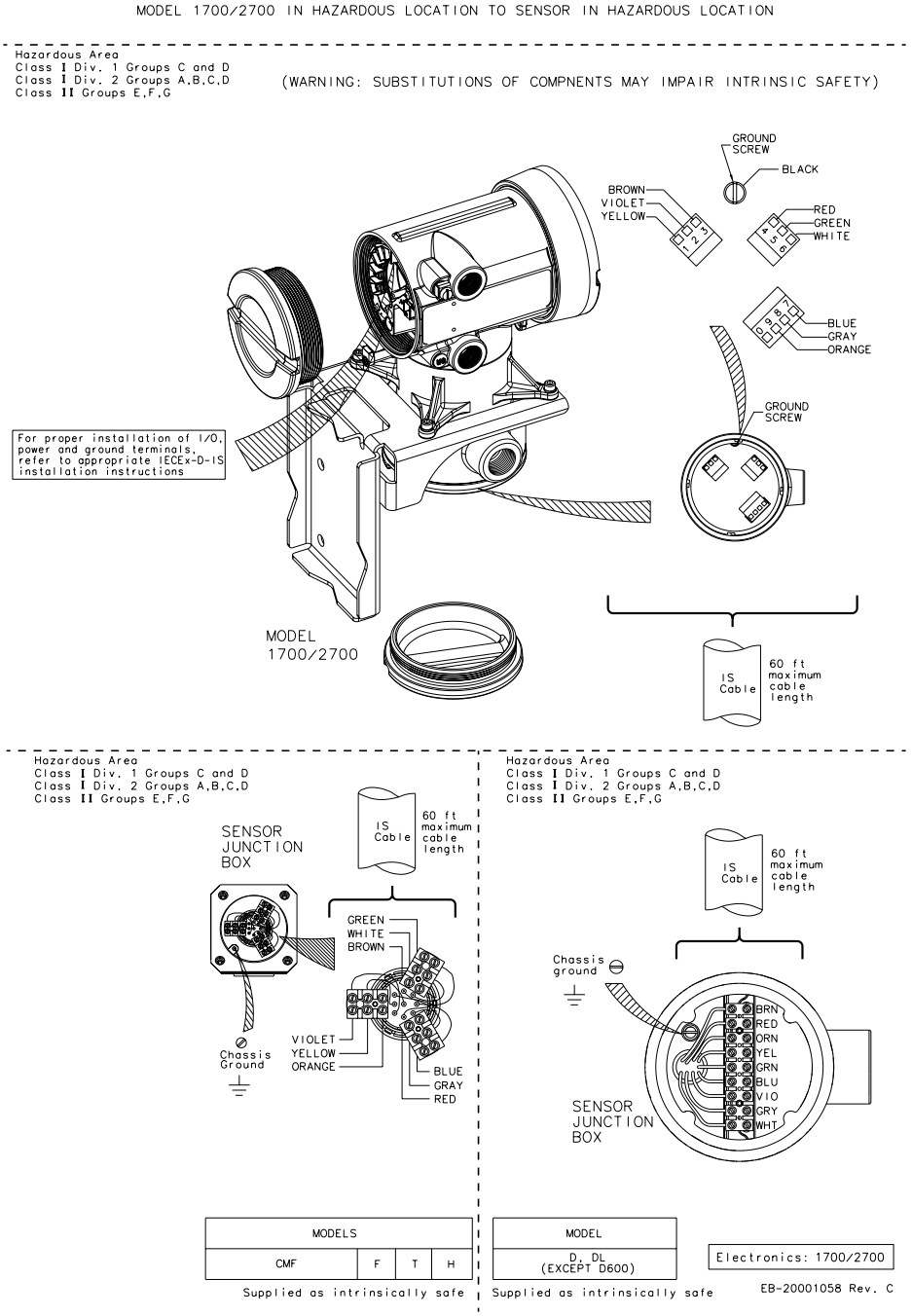
# 4.3 1700/2700 integral core processor installations

### List of drawings

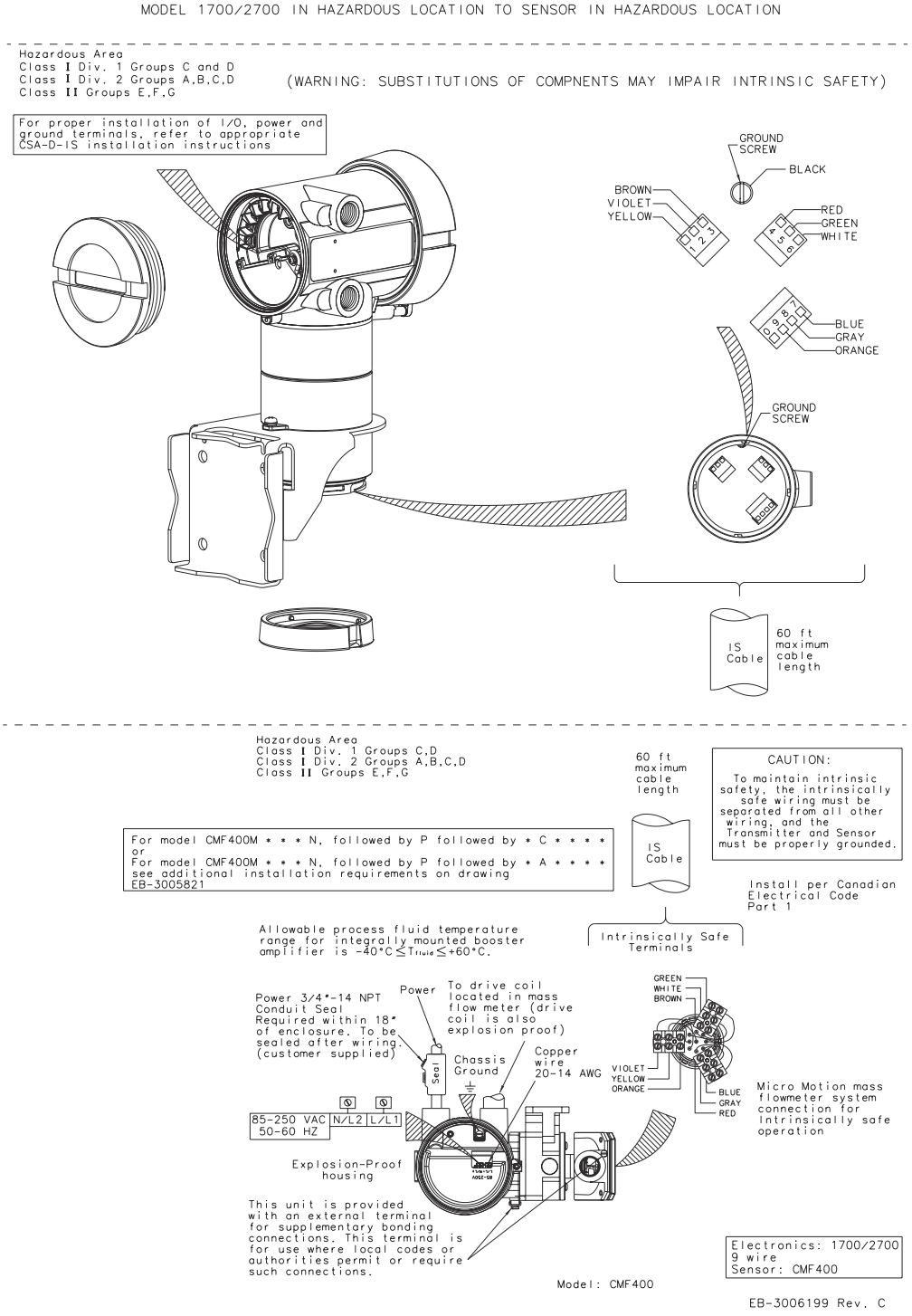
| Installation | Drawing |
|---|---|
| 1700/2700 with integral core processor and CMF, F, H, T, D, or DL sensors | EB-20001058 Revision C |
| 1700/2700 with integral core processor and CMF400 sensor with booster amplifier | EB-30006199, Revision A |
| 1700/2700 with integral core processor and D600 sensor | EB-3600538, Revision B |
| 1700/2700 with integral core processor and DT sensor | EB-36000538, Revision A |

## 4.3.1 1700/2700 with integral core processor and CMF, F, H, T, D, or DL sensors

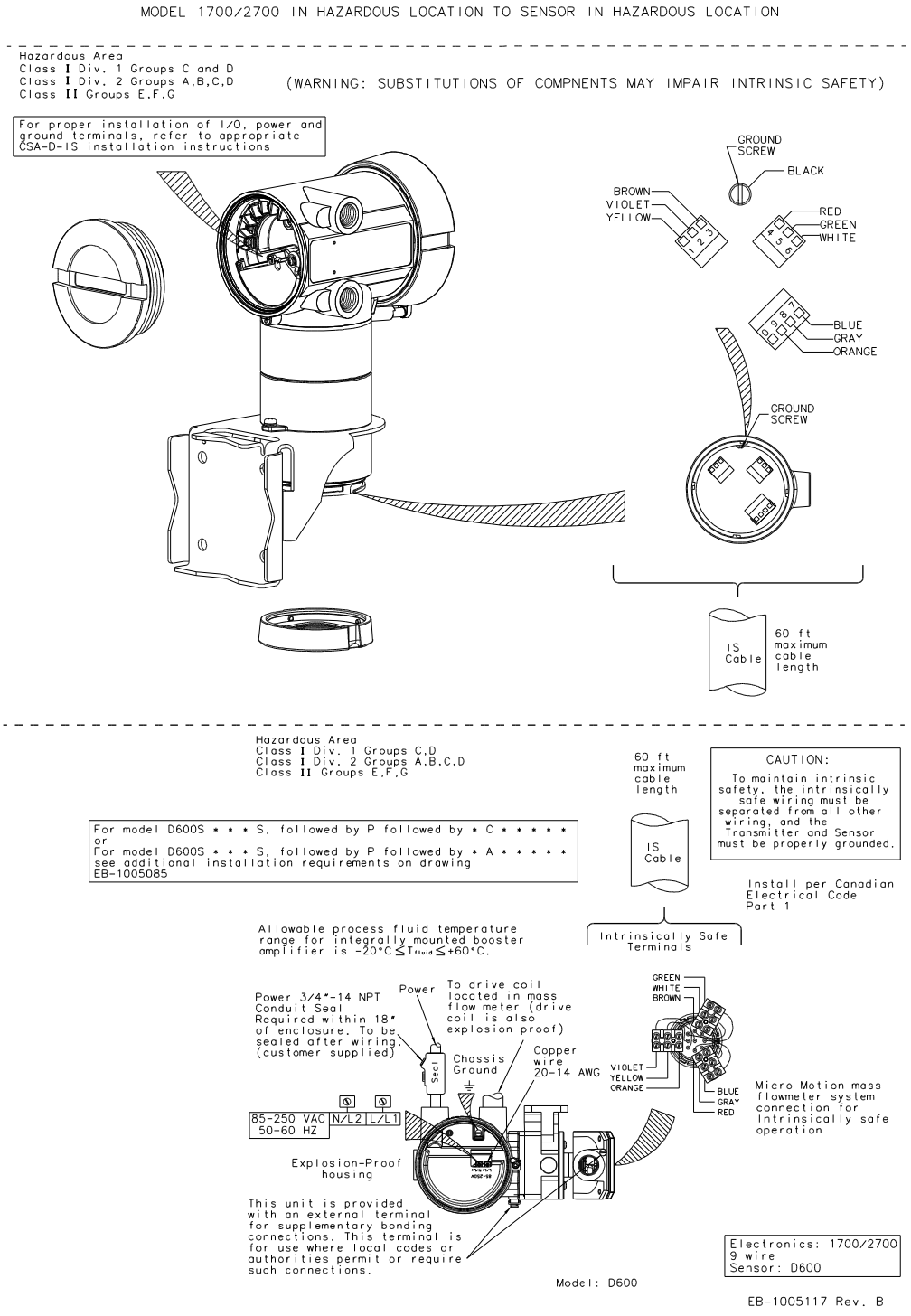
This drawing does not apply to the D600, DT, or CMF400 with booster amplifier sensors.



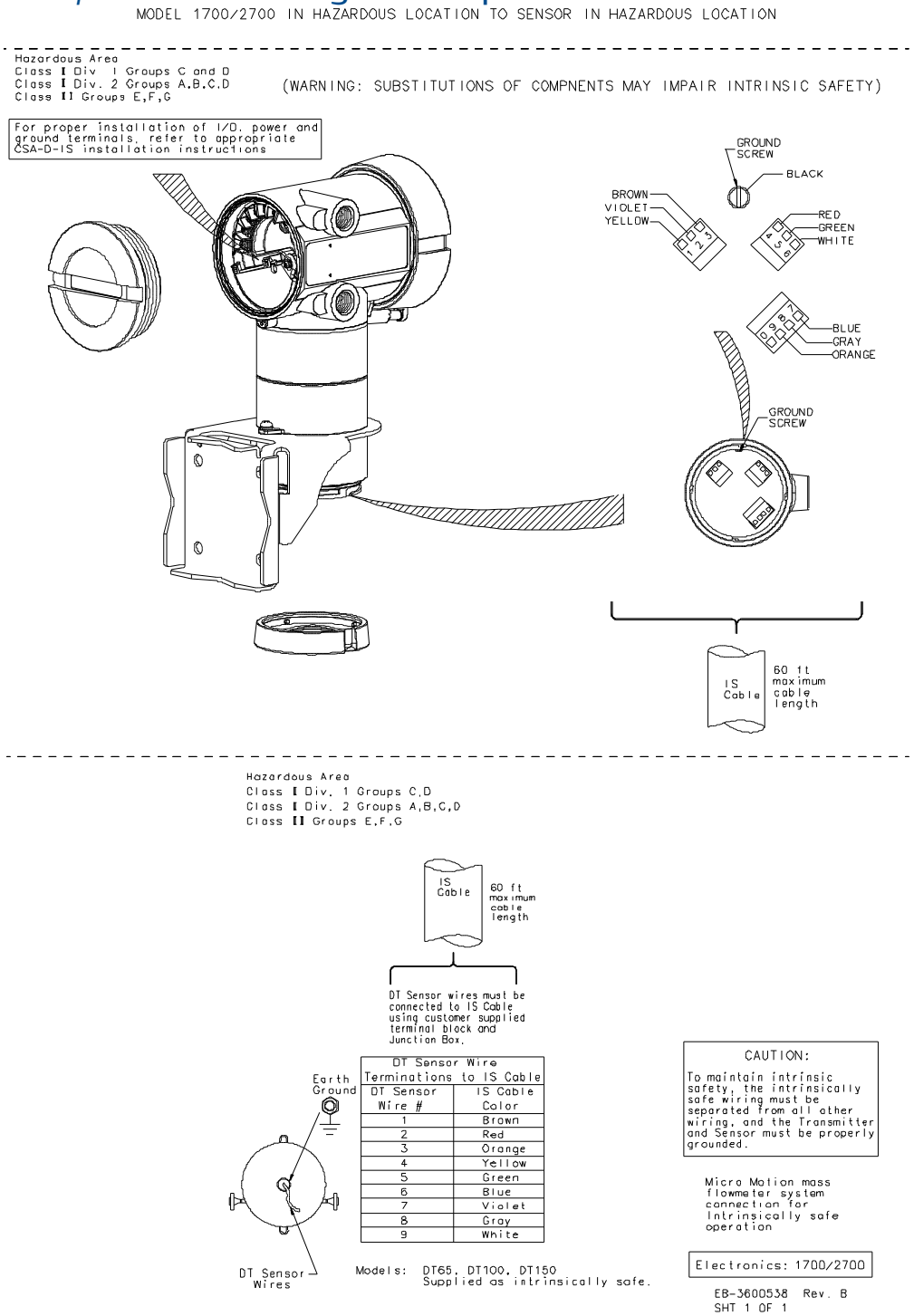
## 4.3.2 1700/2700 with integral core processor and CMF400 sensor with booster amplifier



## 4.3.3 1700/2700 with integral core processor and D600 sensor



# 4.3.4 1700/2700 with integral core processor and DT sensor



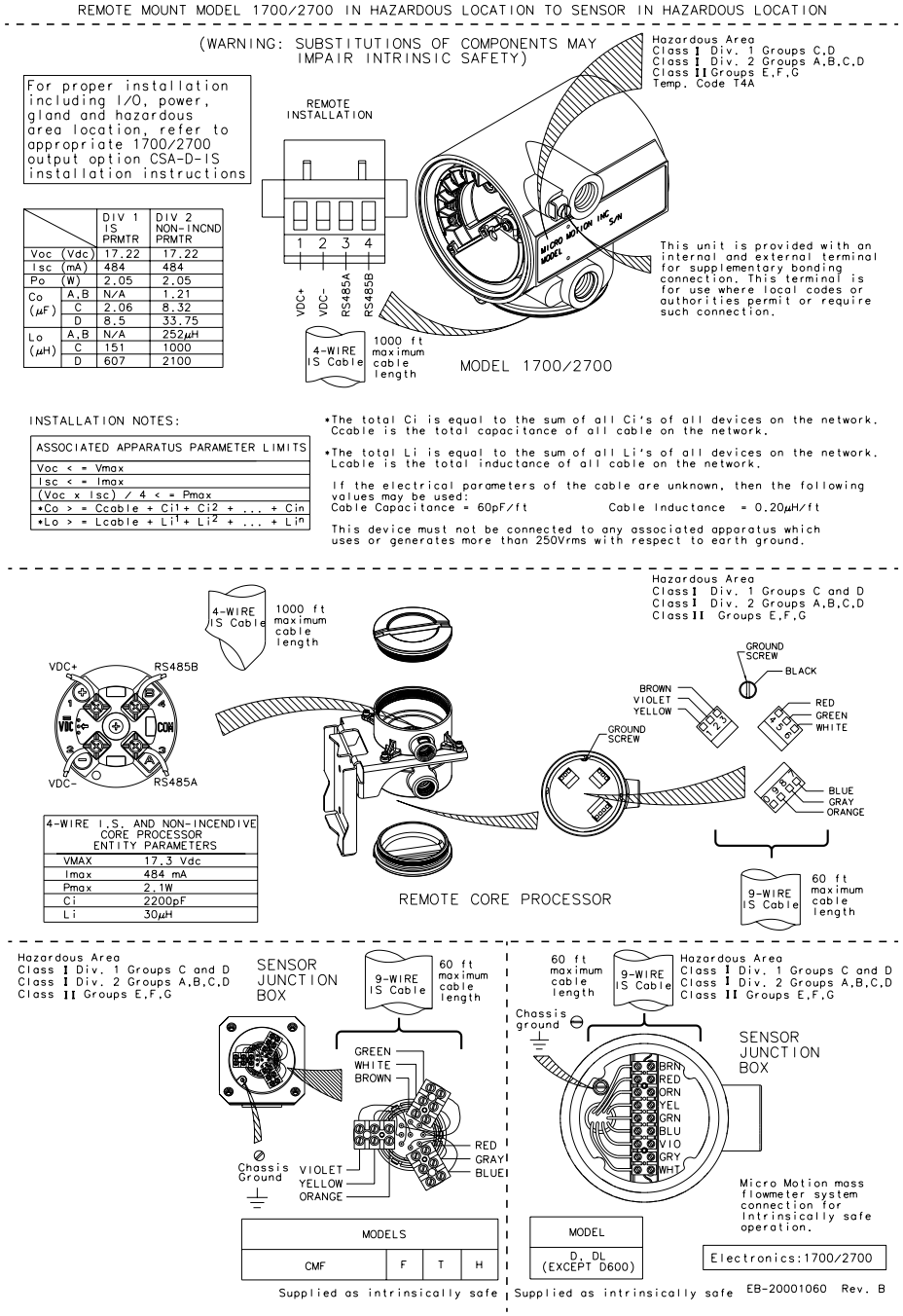
# 4.4 1700/2700 remote core processor installations

### List of drawings

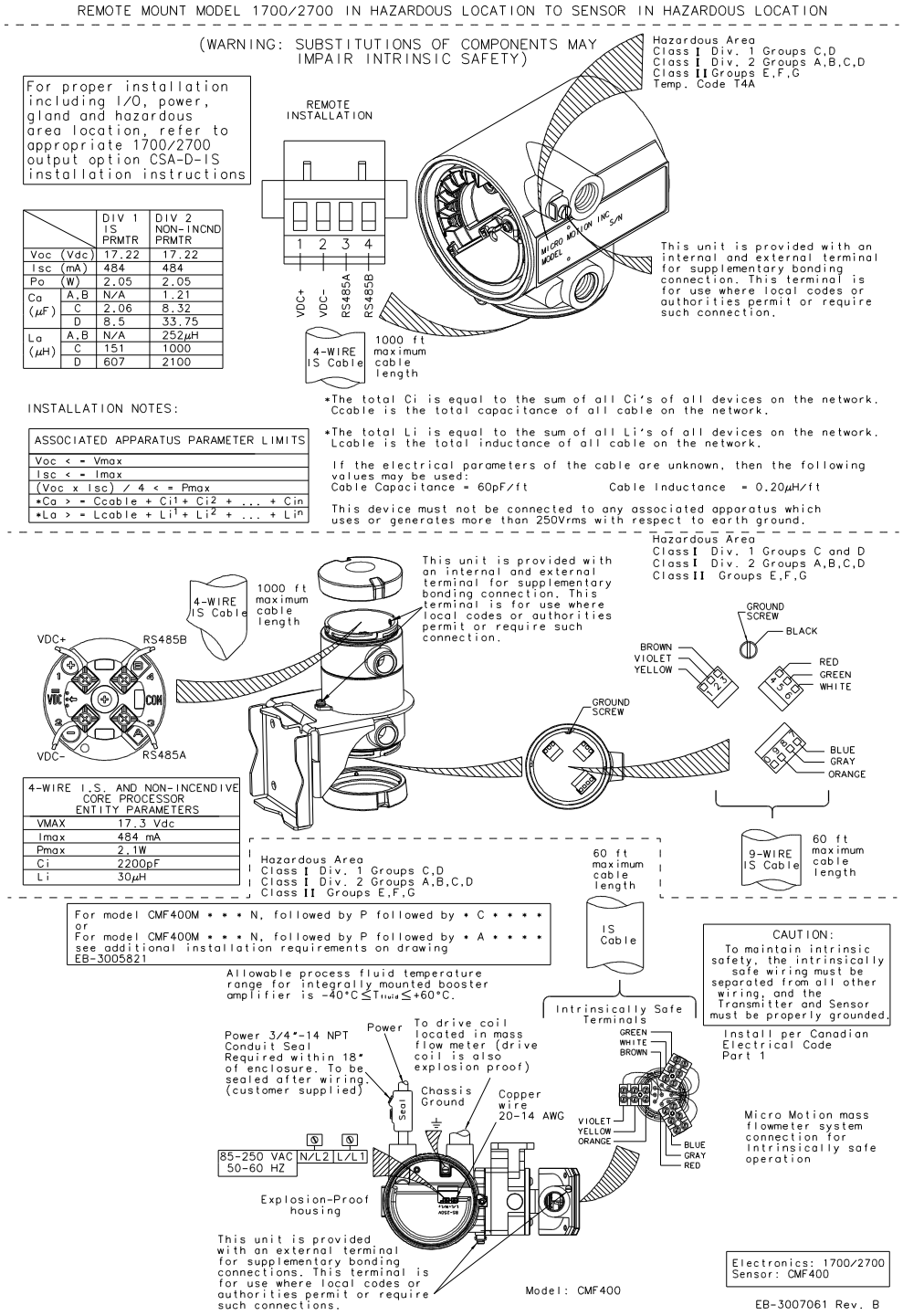
| Installation | Drawing |
|---|---|
| 1700/2700 with remote core processor and CMF, F, T, D, or DL sensors | EB-20001060 Revision BA |
| 1700/2700 with remote core processor and CMF400 sensor with booster amplifier | EB-3007061, Revision B |
| 1700/2700 with remote core processor and D600 sensor | EB-1005119 Revision B |
| 1700/2700 with remote core processor and DT sensor | EB-3600674, Revision C |

## 4.4.1 1700/2700 with remote core processor and CMF, F, T, D, or DL sensors

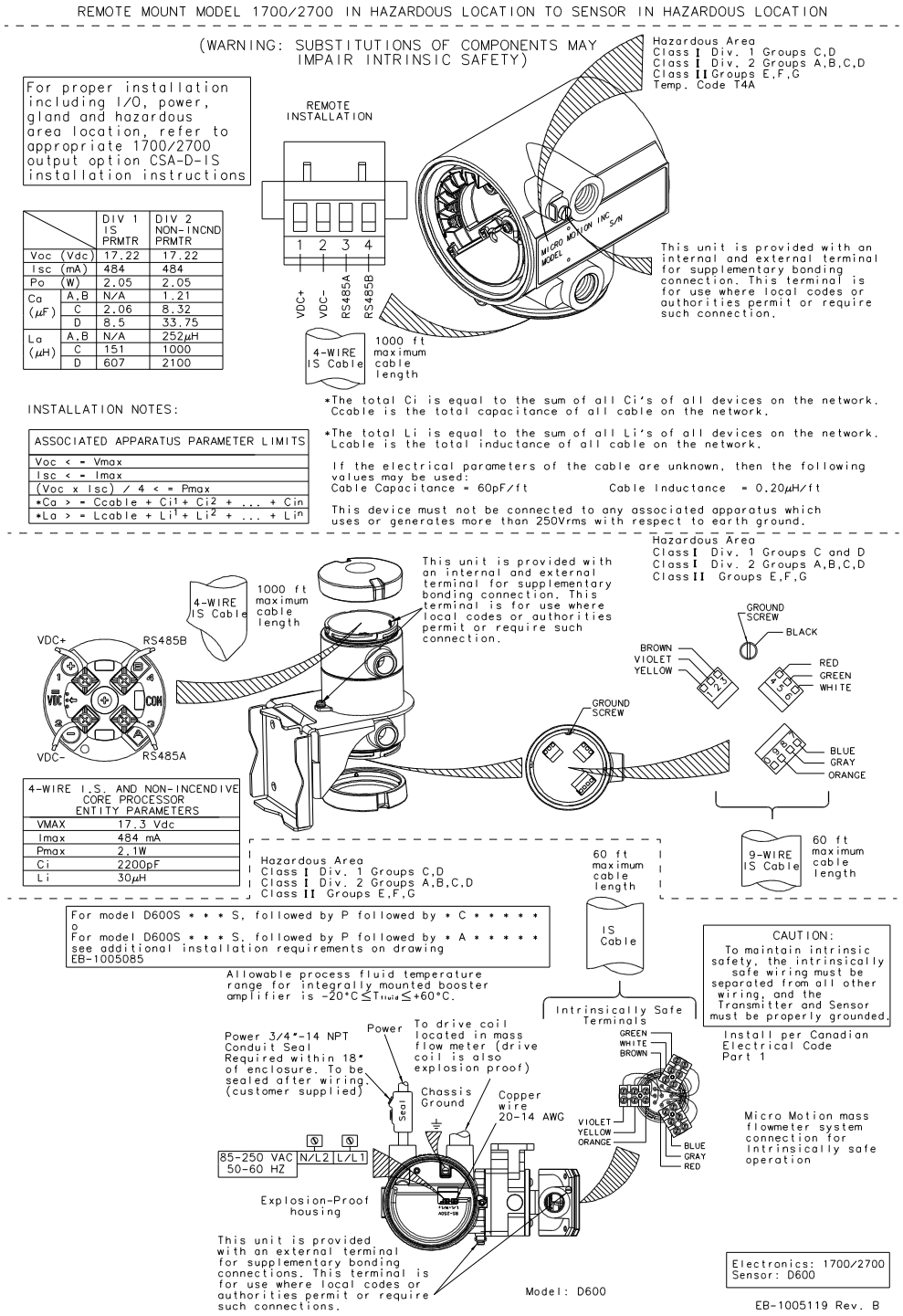
This drawing does not apply to the D600, DT, or CMF400 with booster amplifier sensors.



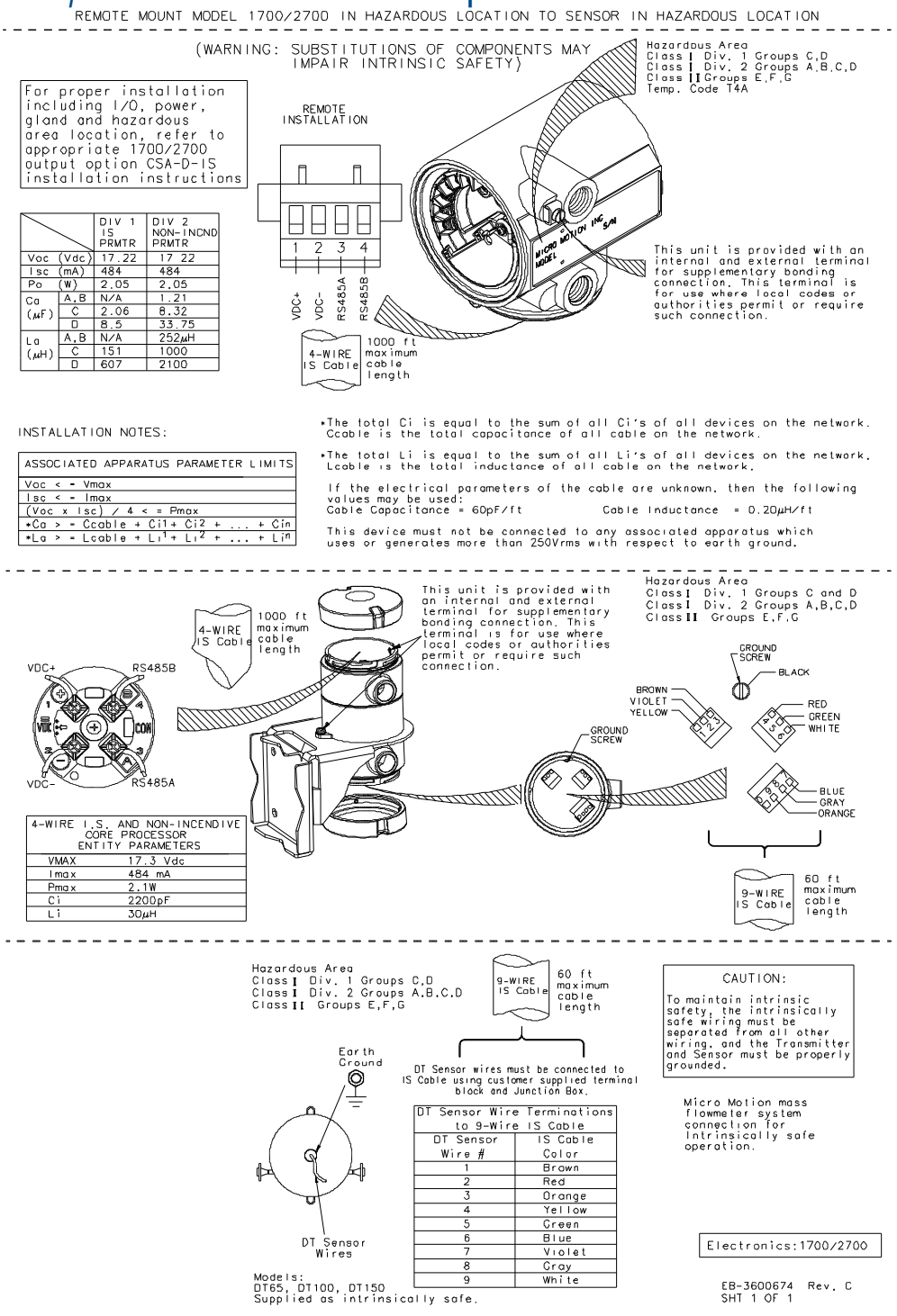
## 4.4.2 1700/2700 with remote core processor and CMF400 sensor with booster amplifier



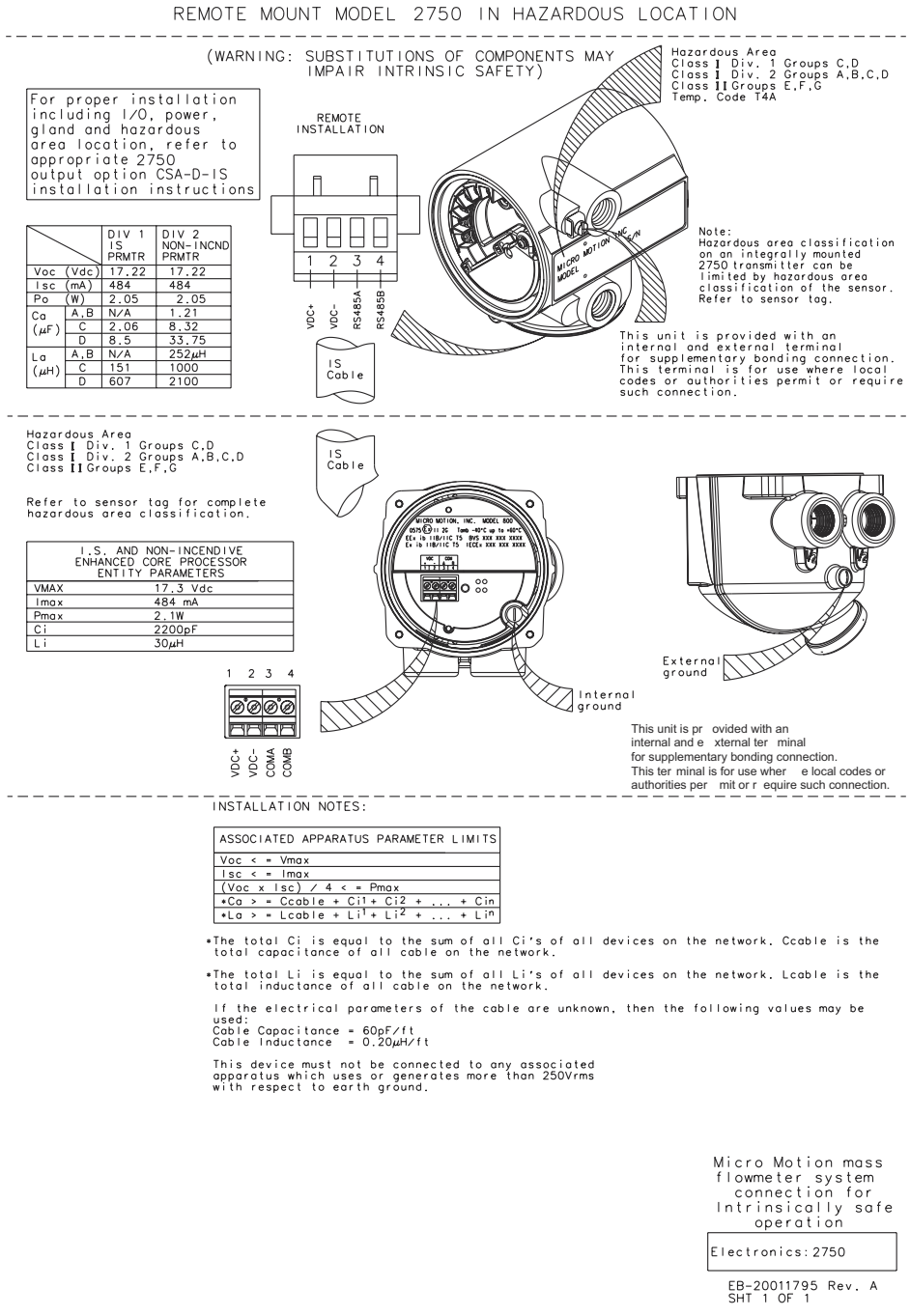
## 4.4.3 1700/2700 with remote core processor and D600 sensor



# 4.4.4 1700/2700 with remote core processor and DT sensor



# 5 2750 4-wire with enhanced core processor and sensor



# 6 3500 transmitters

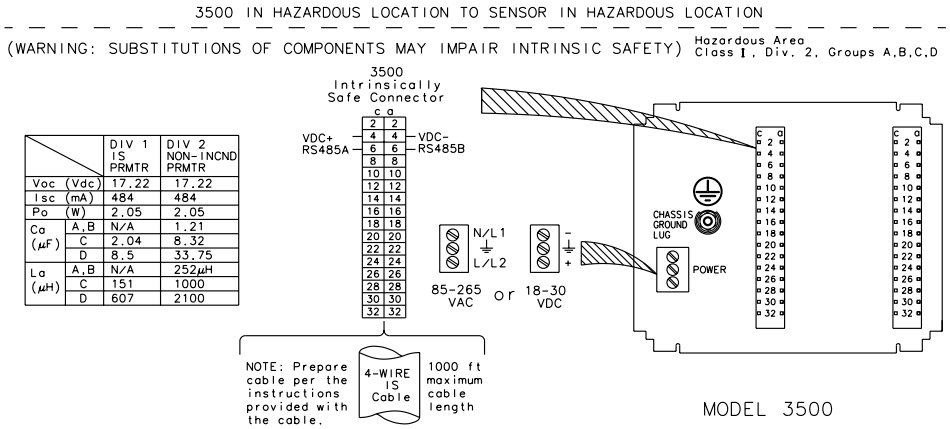
## 6.1 3500 4-wire installations

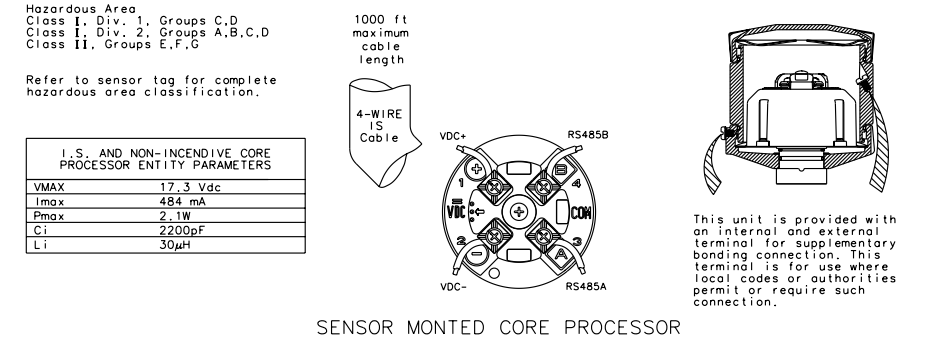
### List of drawings

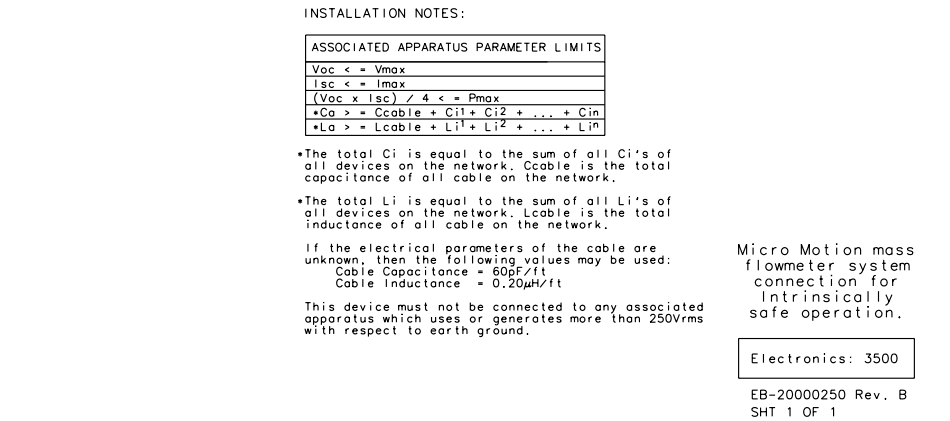
| Installation | Drawing |
|---|---|
| 3500 4-wire with core processor and CMF, F, H, R, CNG, or T sensors | EB-20000250, Revision B |
| 3500 4-wire with core processor and CMF400 sensor with booster amplifier | EB-20000244, Revision B |
| 3500 4-wire with core processor and D600 sensor | EB-20000247, Revision B |
| 3500 4-wire with enhanced core processor and sensor | EB-20003011, Revision A |

## 6.1.1 3500 4-wire with core processor and CMF, F, H, R, CNG, or T sensors

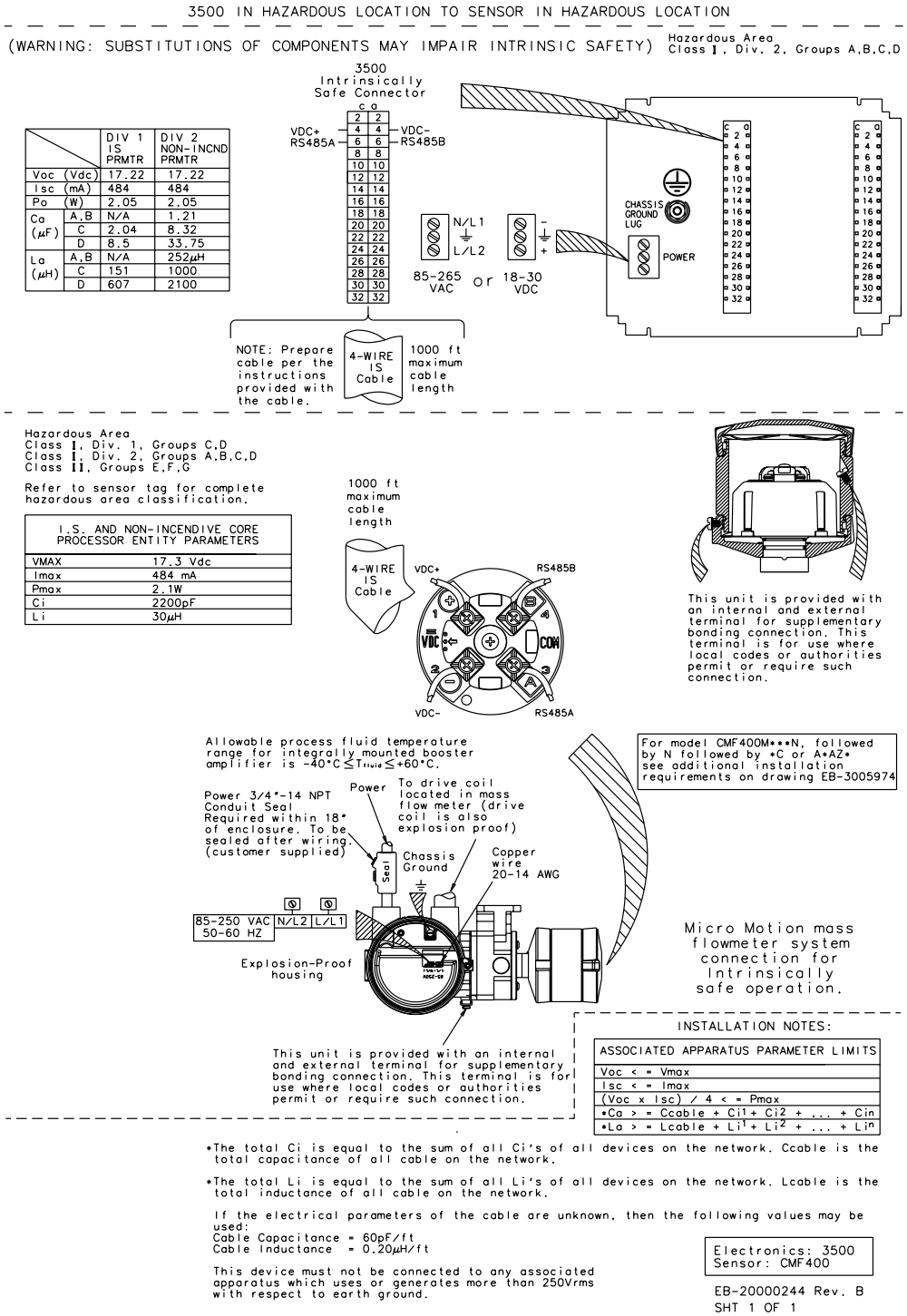
This drawing does not apply to the CMF300A sensor or to the CMF400 sensor with booster amplifier.



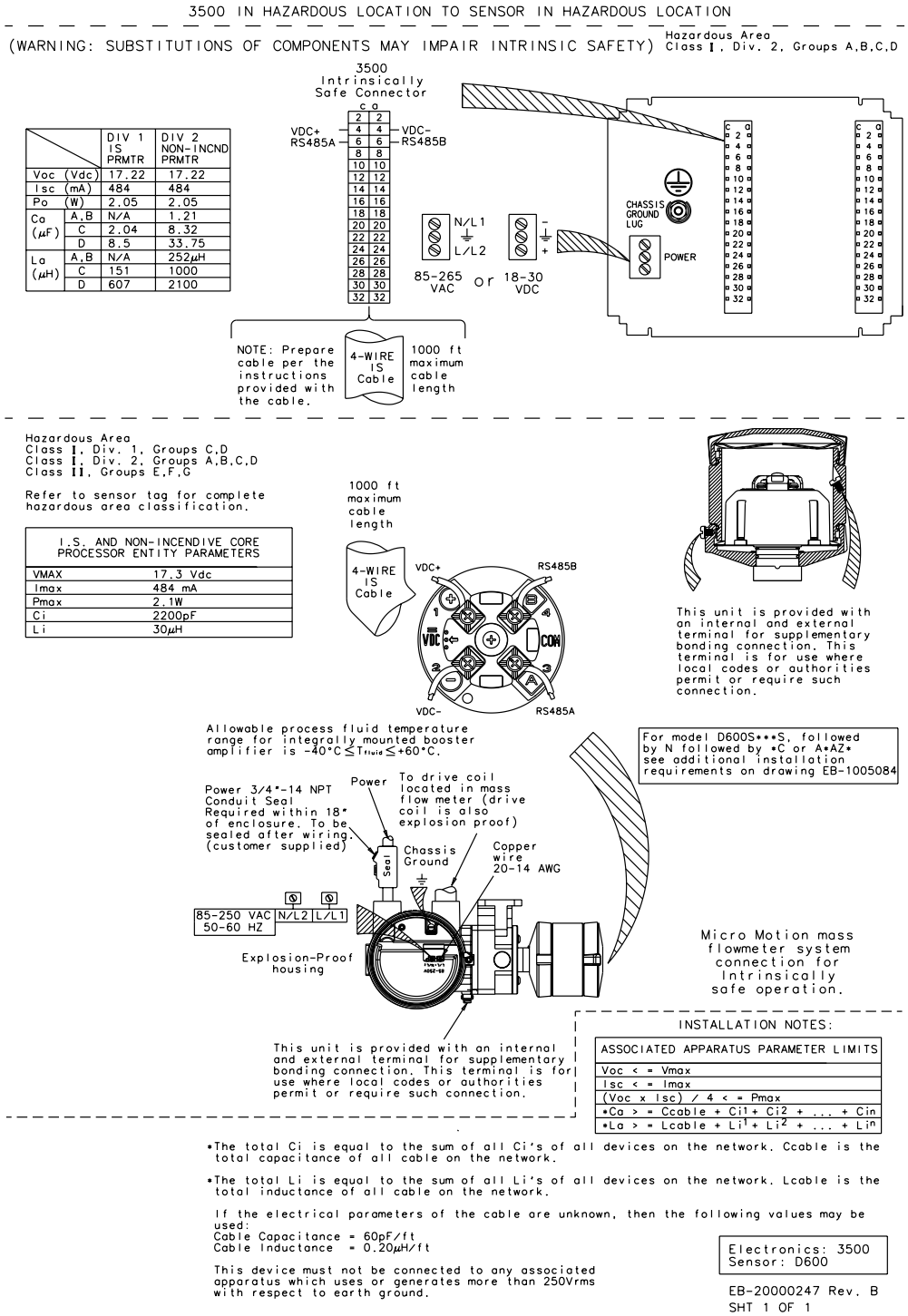



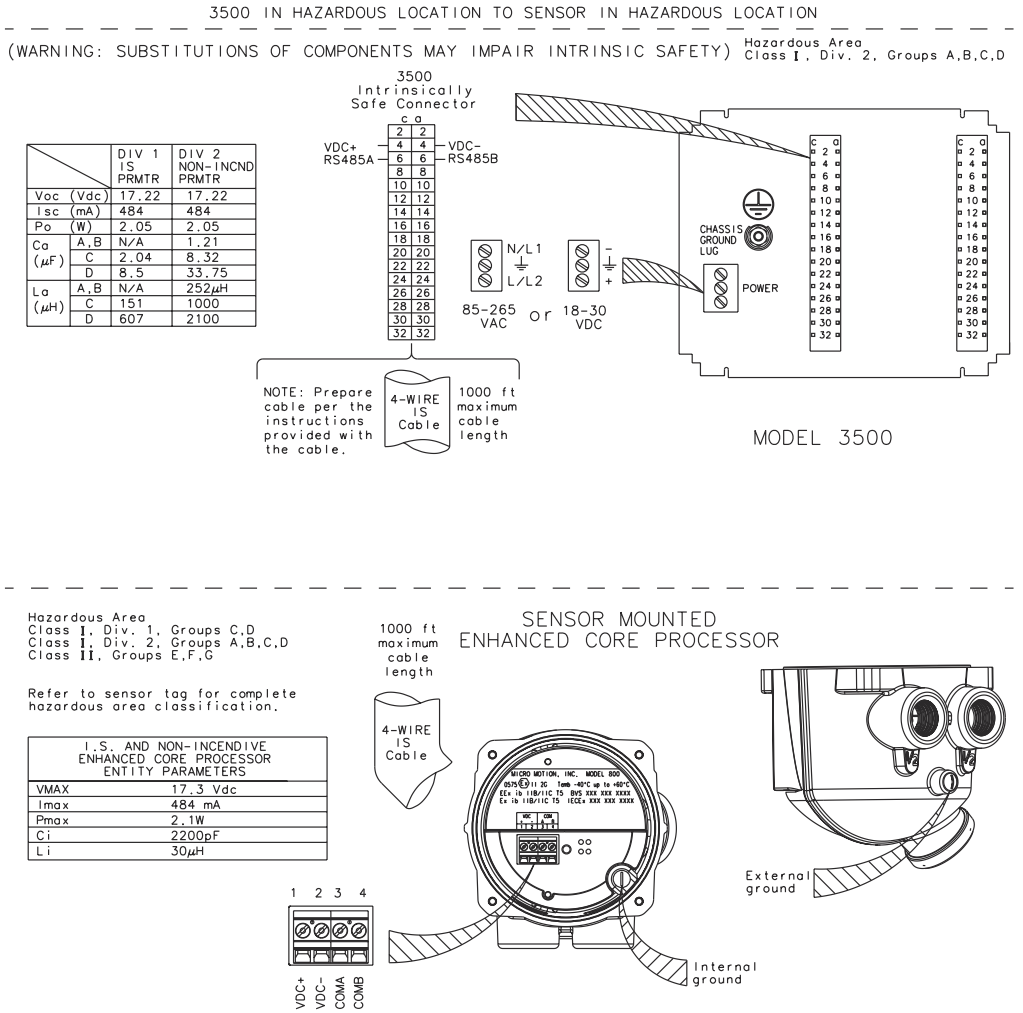
## 6.1.2 3500 4-wire with core processor and CMF400 sensor with booster amplifier



# 6.1.3 3500 4-wire with core processor and D600 sensor



# 6.1.4 3500 4-wire with enhanced core processor and sensor




| | | DIV 1 IS PRMTR | DIV 2 NON-INCND PRMTR |
|---|---|---|---|
| Voc (Vdc) | | 17.22 | 17.22 |
| Isc (mA) | | 484 | 484 |
| Po (W) | | 2.05 | 2.05 |
| Ca (µF) | A,B | N/A | 1.21 |
| | C | 2.04 | 8.32 |
| | D | 8.5 | 33.75 |
| La (µH) | A,B | N/A | 252µH |
| | C | 151 | 1000 |
| | D | 607 | 2100 |

| I.S. AND NON-INCENDIVE ENHANCED CORE PROCESSOR ENTITY PARAMETERS | |
|---|---|
| VMAX | 17.3 Vdc |
| Imax | 484 mA |
| Pmax | 2.1W |
| Ci | 2200pF |
| Li | 30µH |

| ASSOCIATED APPARATUS PARAMETER LIMITS |
|---|
| Voc < = Vmax |
| Isc < = Imax |
| (Voc x Isc) / 4 < = Pmax |
| *Ca > = Ccable + Ci1 + Ci2 + ... + Cin |
| *La > = Lcable + Li1 + Li2 + ... + Lin |

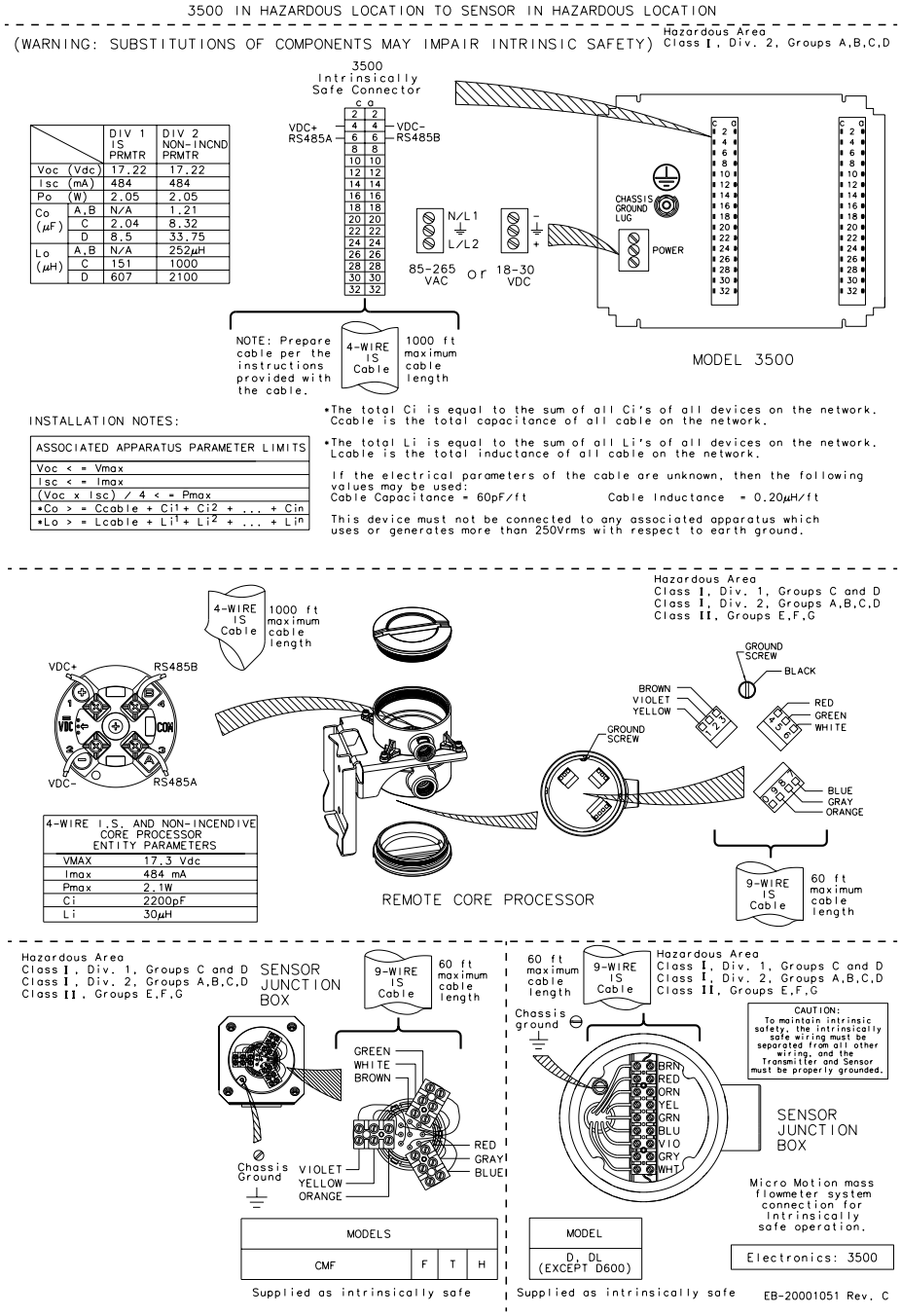
# 6.2 3500 remote core processor installations

### List of drawings

| Installation | Drawing |
|---|---|
| 3500 with remote core processor and CMF, D, DL, H, or T sensors | EB-20001051, Revision CA |
| 3500 with remote core processor and CMF400 sensor with booster amplifier | EB-20000229, Revision BA |
| 3500 with remote core processor and D600 sensor | EB-20000232, Revision B |
| 3500 with remote core processor and DT sensor | EB-20000241, Revision B |

## 6.2.1 3500 with remote core processor and CMF, D, DL, H, or T sensors

This drawing does not apply to the D600, DT, or CMF400 with booster amplifier sensors.

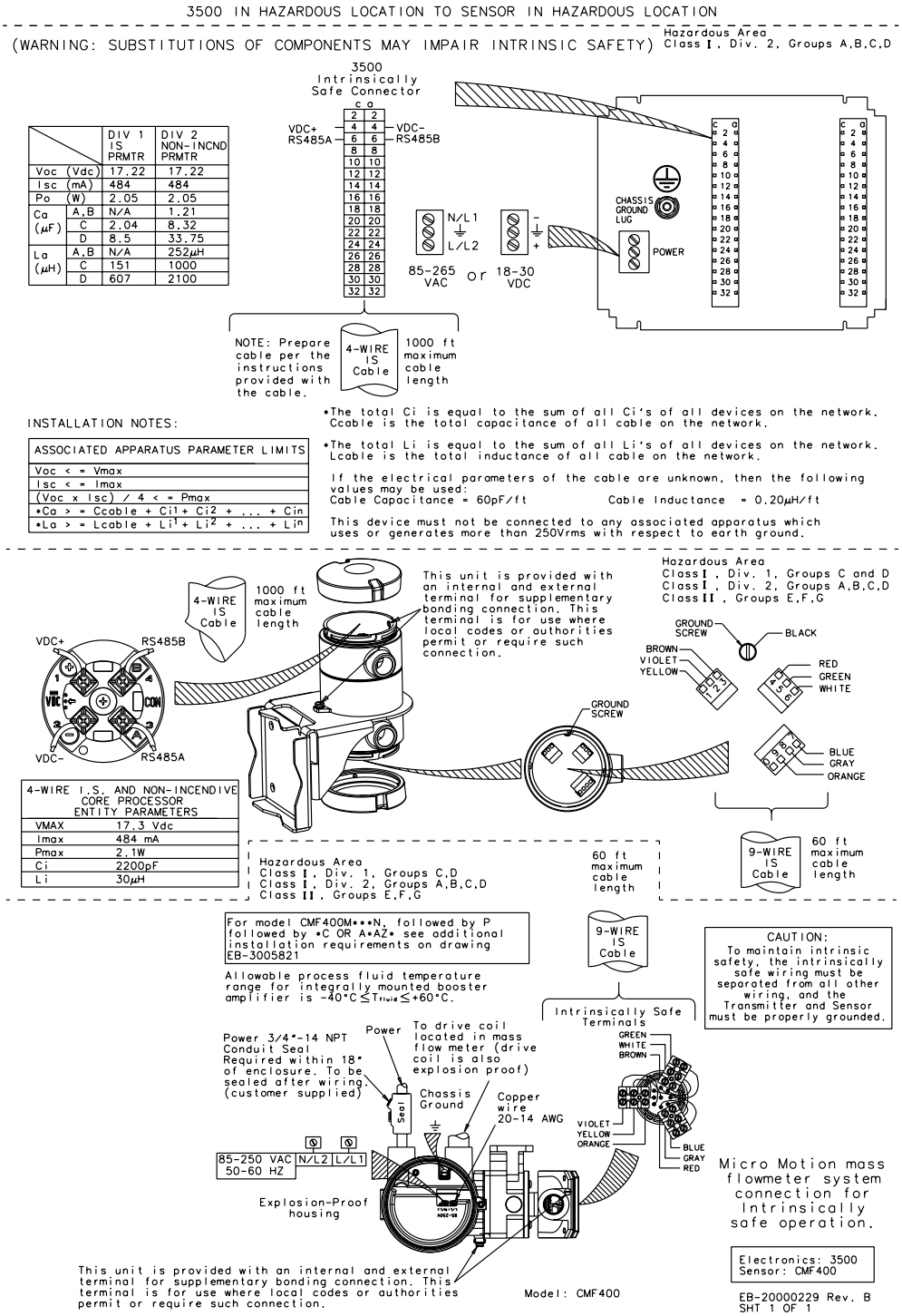



| | | DIV 1 IS PRMTR | DIV 2 NON-INCND PRMTR |
|---|---|---|---|
| Voc (Vdc) | | 17.22 | 17.22 |
| Isc (mA) | | 484 | 484 |
| Po (W) | | 2.05 | 2.05 |
| Co (µF) | A,B | N/A | 1.21 |
| | C | 2.04 | 8.32 |
| | D | 8.5 | 33.75 |
| Lo (µH) | A,B | N/A | 252µH |
| | C | 151 | 1000 |
| | D | 607 | 2100 |

| ASSOCIATED APPARATUS PARAMETER LIMITS |
|---|
| Voc < = Vmax |
| Isc < = Imax |
| (Voc x Isc) / 4 < = Pmax |
| •Co > = Ccable + Ci1 + Ci2 + ... + Cin |
| •Lo > = Lcable + Li1 + Li2 + ... + Lin |

| 4-WIRE I.S. AND NON-INCENDIVE CORE PROCESSOR ENTITY PARAMETERS | |
|---|---|
| VMAX | 17.3 Vdc |
| Imax | 484 mA |
| Pmax | 2.1W |
| Ci | 2200pF |
| Li | 30µH |

## 6.2.2 3500 with remote core processor and CMF400 sensor with booster amplifier

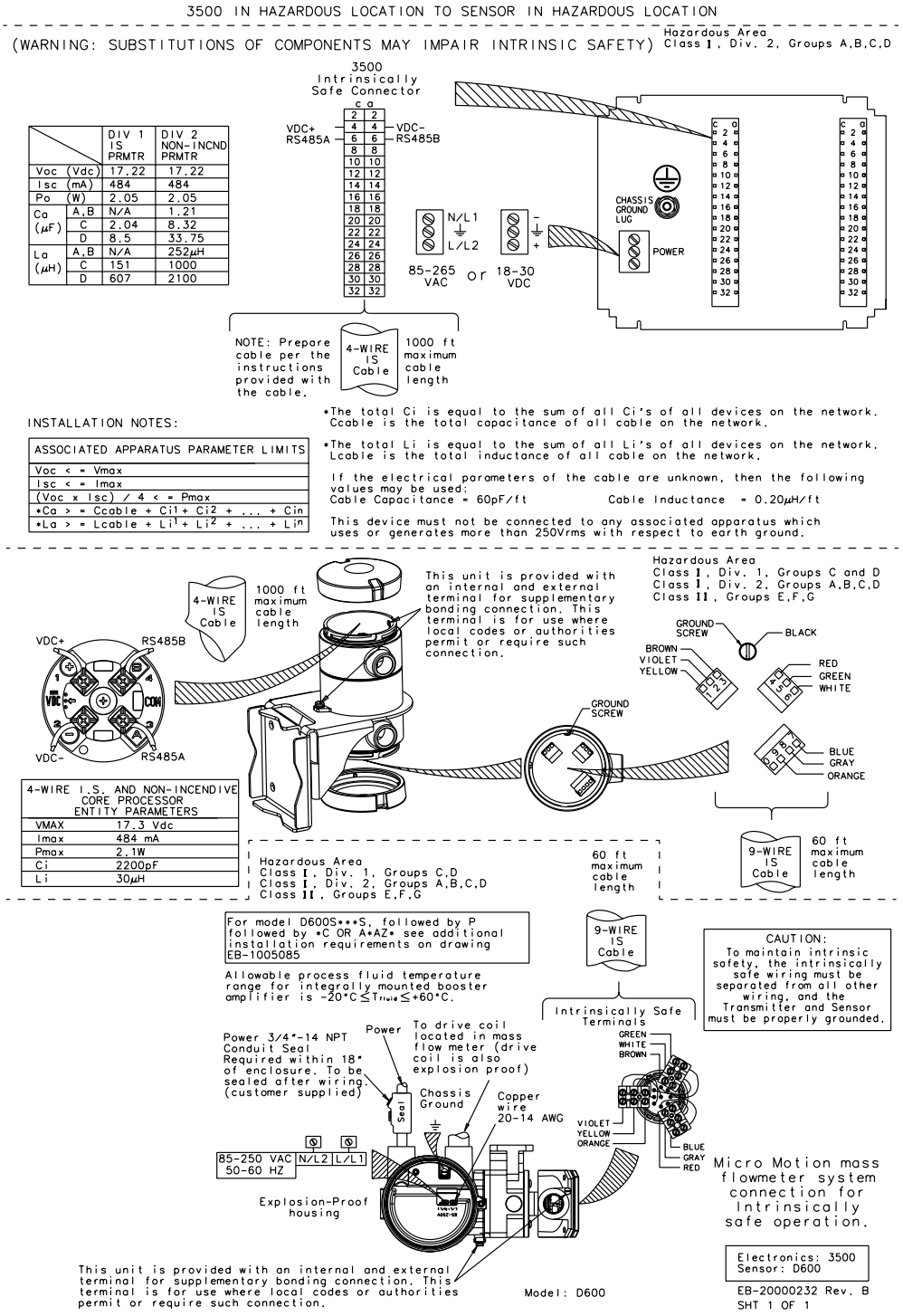



| | | DIV 1 IS PRMTR | DIV 2 NON-INCND PRMTR |
|---|---|---|---|
| Voc (Vdc) | | 17.22 | 17.22 |
| Isc (mA) | | 484 | 484 |
| Po (W) | | 2.05 | 2.05 |
| Ca (μF) | A,B | N/A | 1.21 |
| | C | 2.04 | 8.32 |
| | D | 8.5 | 33.75 |
| La (μH) | A,B | N/A | 252μH |
| | C | 151 | 1000 |
| | D | 607 | 2100 |

| ASSOCIATED APPARATUS PARAMETER LIMITS |
|---|
| Voc < = Vmax |
| Isc < = Imax |
| (Voc x Isc) / 4 < = Pmax |
| *Ca > = Ccable + Ci1 + Ci2 + ... + Cin |
| *La > = Lcable + Li1 + Li2 + ... + Lin |

| 4-WIRE I.S. AND NON-INCENDIVE CORE PROCESSOR ENTITY PARAMETERS | |
|---|---|
| VMAX | 17.3 Vdc |
| Imax | 484 mA |
| Pmax | 2.1W |
| Ci | 2200pF |
| Li | 30μH |

# 6.2.3 3500 with remote core processor and D600 sensor

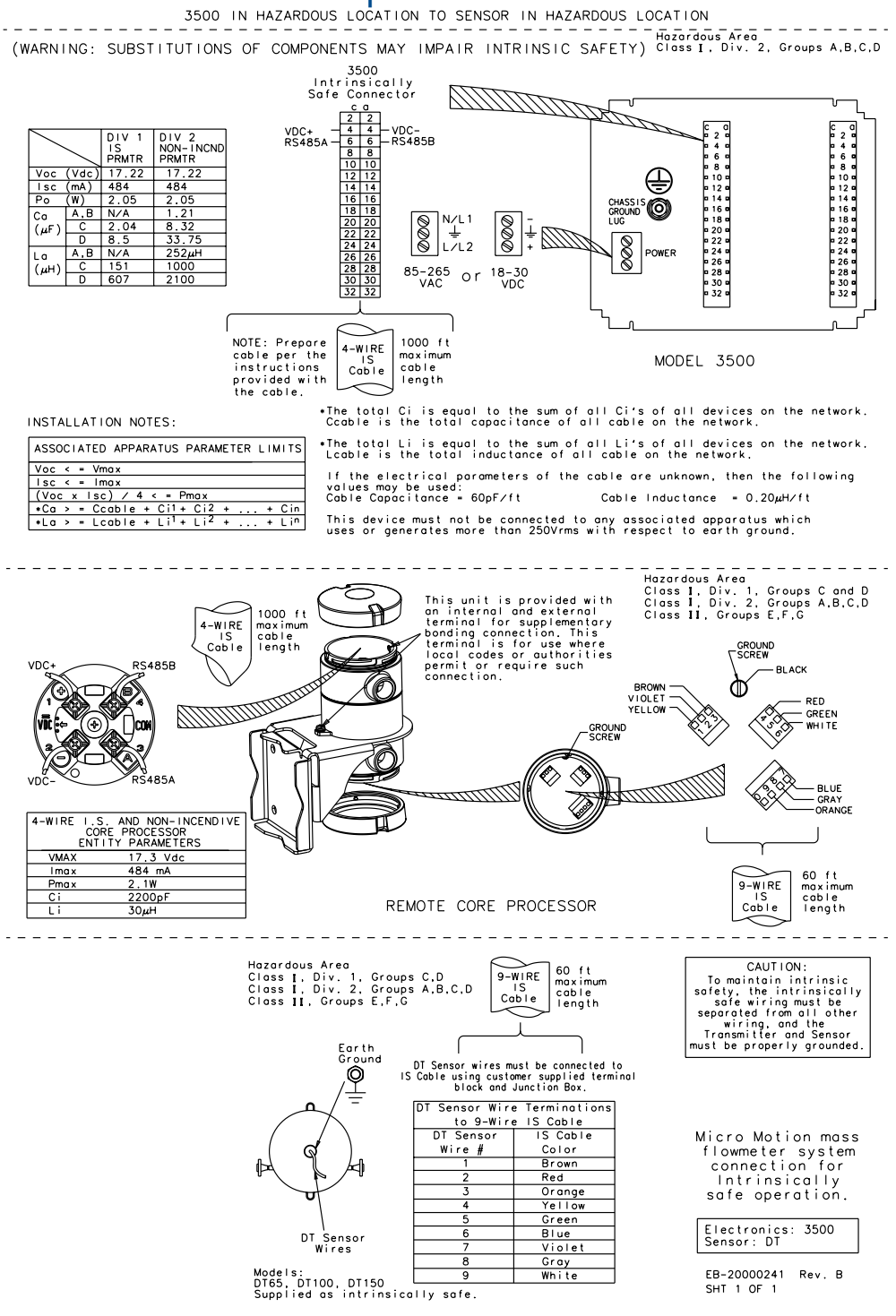



| | | DIV 1 IS PRMTR | DIV 2 NON-INCND PRMTR |
|---|---|---|---|
| Voc (Vdc) | | 17.22 | 17.22 |
| Isc (mA) | | 484 | 484 |
| Po (W) | | 2.05 | 2.05 |
| Ca (µF) | A,B | N/A | 1.21 |
| | C | 2.04 | 8.32 |
| | D | 8.5 | 33.75 |
| La (µH) | A,B | N/A | 252µH |
| | C | 151 | 1000 |
| | D | 607 | 2100 |

| ASSOCIATED APPARATUS PARAMETER LIMITS |
|---|
| Voc < = Vmax |
| Isc < = Imax |
| (Voc x Isc) / 4 < = Pmax |
| *Ca > = Ccable + Ci1 + Ci2 + ... + Cin |
| *La > = Lcable + Li1 + Li2 + ... + Lin |

| 4-WIRE I.S. AND NON-INCENDIVE CORE PROCESSOR ENTITY PARAMETERS | |
|---|---|
| VMAX | 17.3 Vdc |
| Imax | 484 mA |
| Pmax | 2.1W |
| Ci | 2200pF |
| Li | 30µH |

# 6.2.4 3500 with remote core processor and DT sensor




| | | DIV 1 IS PRMTR | DIV 2 NON-INCND PRMTR |
|---|---|---|---|
| Voc (Vdc) | | 17.22 | 17.22 |
| Isc (mA) | | 484 | 484 |
| Po (W) | | 2.05 | 2.05 |
| Ca (µF) | A,B | N/A | 1.21 |
| | C | 2.04 | 8.32 |
| | D | 8.5 | 33.75 |
| La (µH) | A,B | N/A | 252µH |
| | C | 151 | 1000 |
| | D | 607 | 2100 |

| ASSOCIATED APPARATUS PARAMETER LIMITS |
|---|
| Voc < = Vmax |
| Isc < = Imax |
| (Voc x Isc) / 4 < = Pmax |
| *Ca > = Ccable + Ci1 + Ci2 + ... + Cin |
| *La > = Lcable + Li1 + Li2 + ... + Lin |

| 4-WIRE I.S. AND NON-INCENDIVE CORE PROCESSOR ENTITY PARAMETERS | |
|---|---|
| VMAX | 17.3 Vdc |
| Imax | 484 mA |
| Pmax | 2.1W |
| Ci | 2200pF |
| Li | 30µH |

| DT Sensor Wire Terminations to 9-Wire IS Cable | |
|---|---|
| DT Sensor Wire # | IS Cable Color |
| 1 | Brown |
| 2 | Red |
| 3 | Orange |
| 4 | Yellow |
| 5 | Green |
| 6 | Blue |
| 7 | Violet |
| 8 | Gray |
| 9 | White |

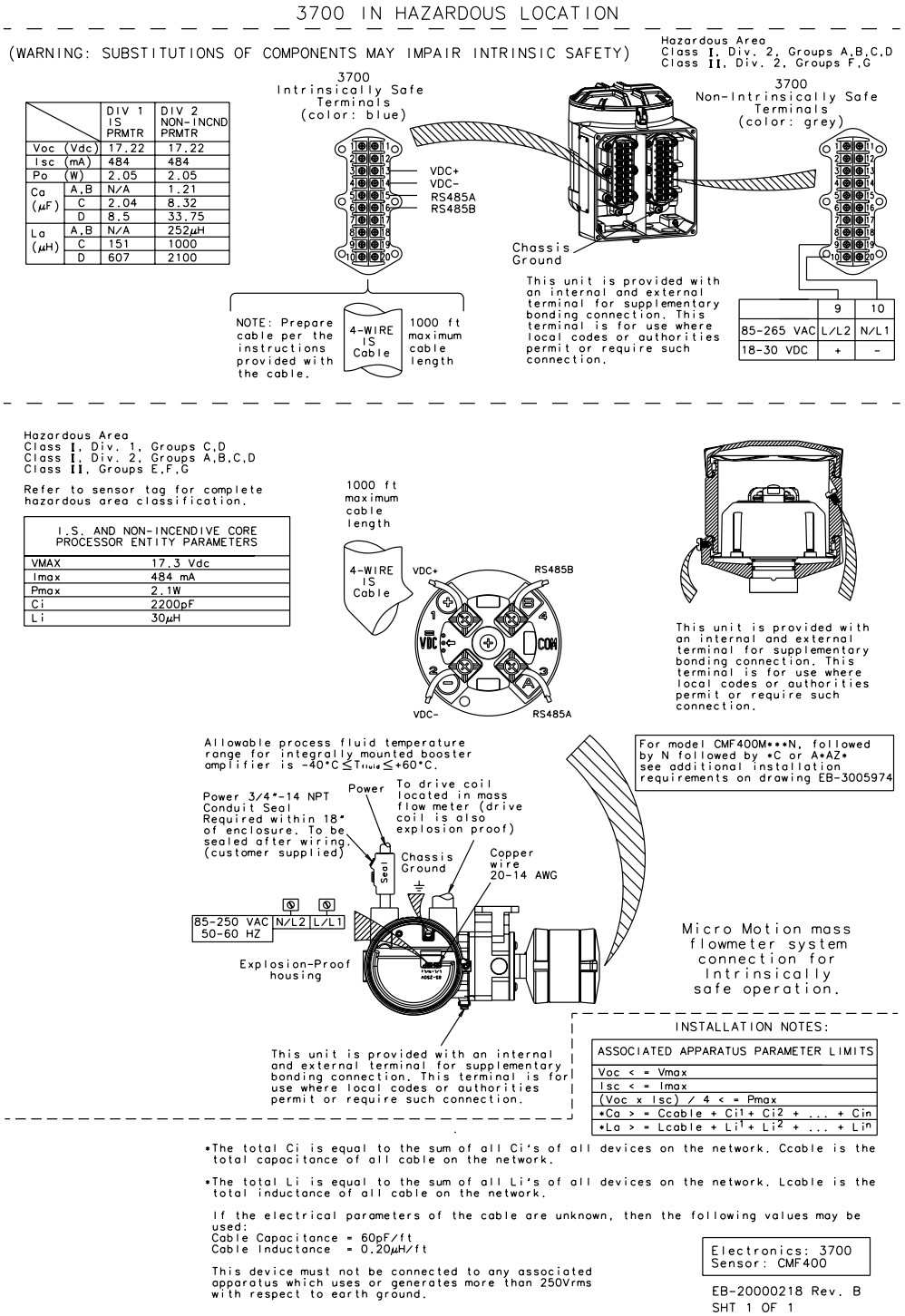
# 7 3700 transmitters

## 7.1 3700 4-wire installations

### List of drawings

| Installation | Drawing |
|---|---|
| 3700 4-wire with core processor and CMF400 sensor with booster amplifier | EB-20000218, Revision B |
| 3700 4-wire with core processor and CMF, F, H, R, CNF, or T sensors | EB-20000224, Revision B |
| 3700 4-wire with core processor and D600 sensor | EB-20000221, Revision B |
| 3700 4-wire with enhanced core processor and sensor | EB-20003012, Revision A |

## 7.1.1 3700 4-wire with core processor and CMF400 sensor with booster amplifier

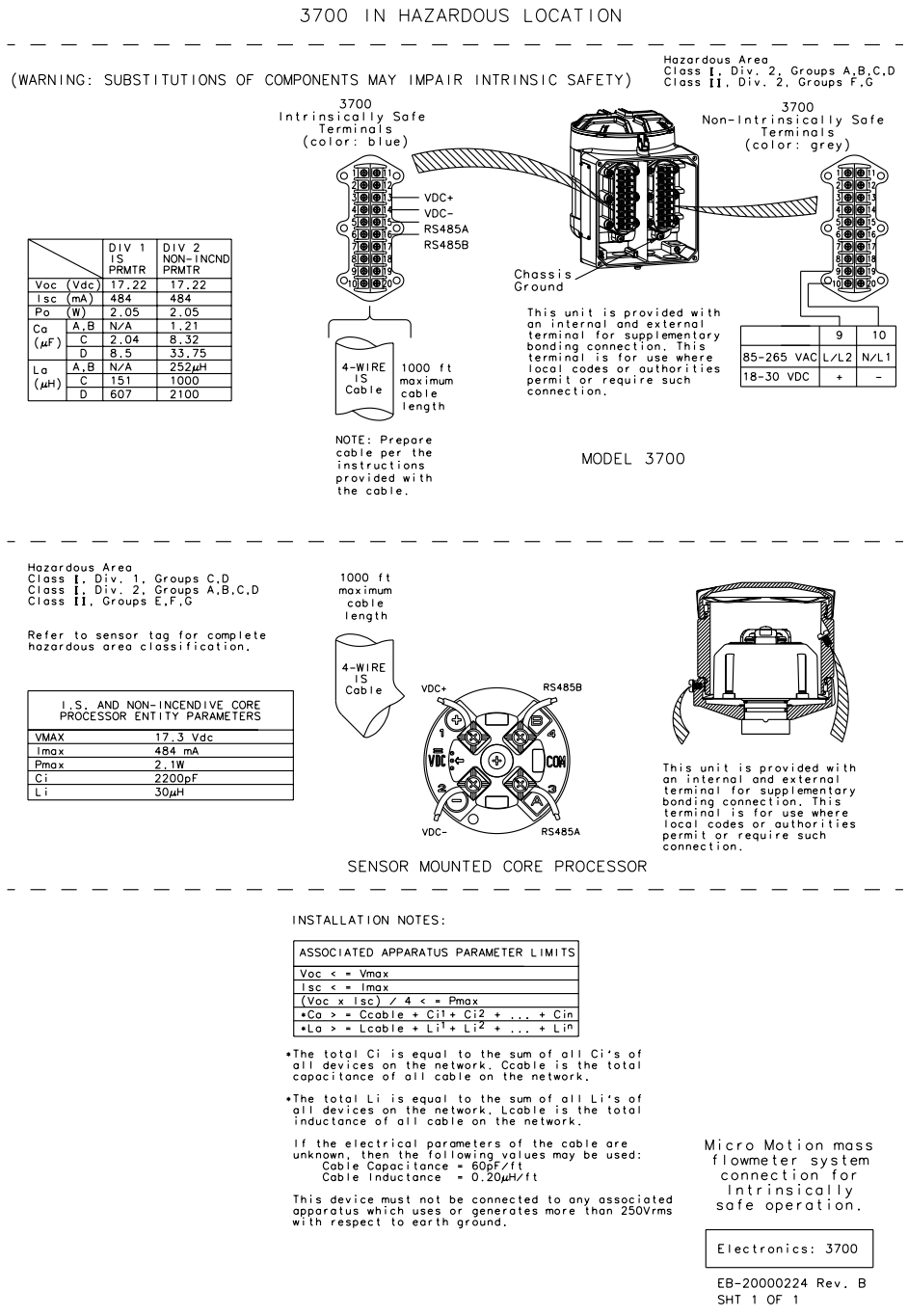



| | | DIV 1 IS PRMTR | DIV 2 NON-INCND PRMTR |
|---|---|---|---|
| Voc (Vdc) | | 17.22 | 17.22 |
| Isc (mA) | | 484 | 484 |
| Po (W) | | 2.05 | 2.05 |
| Ca (µF) | A,B | N/A | 1.21 |
| | C | 2.04 | 8.32 |
| | D | 8.5 | 33.75 |
| La (µH) | A,B | N/A | 252µH |
| | C | 151 | 1000 |
| | D | 607 | 2100 |

| | 9 | 10 |
|---|---|---|
| 85-265 VAC | L/L2 | N/L1 |
| 18-30 VDC | + | - |

## 7.1.2 3700 4-wire with core processor and CMF, F, H, R, CNF, or T sensors

This drawing does not apply to the CMF300A sensor or to the CMF400 sensor with booster amplifier.



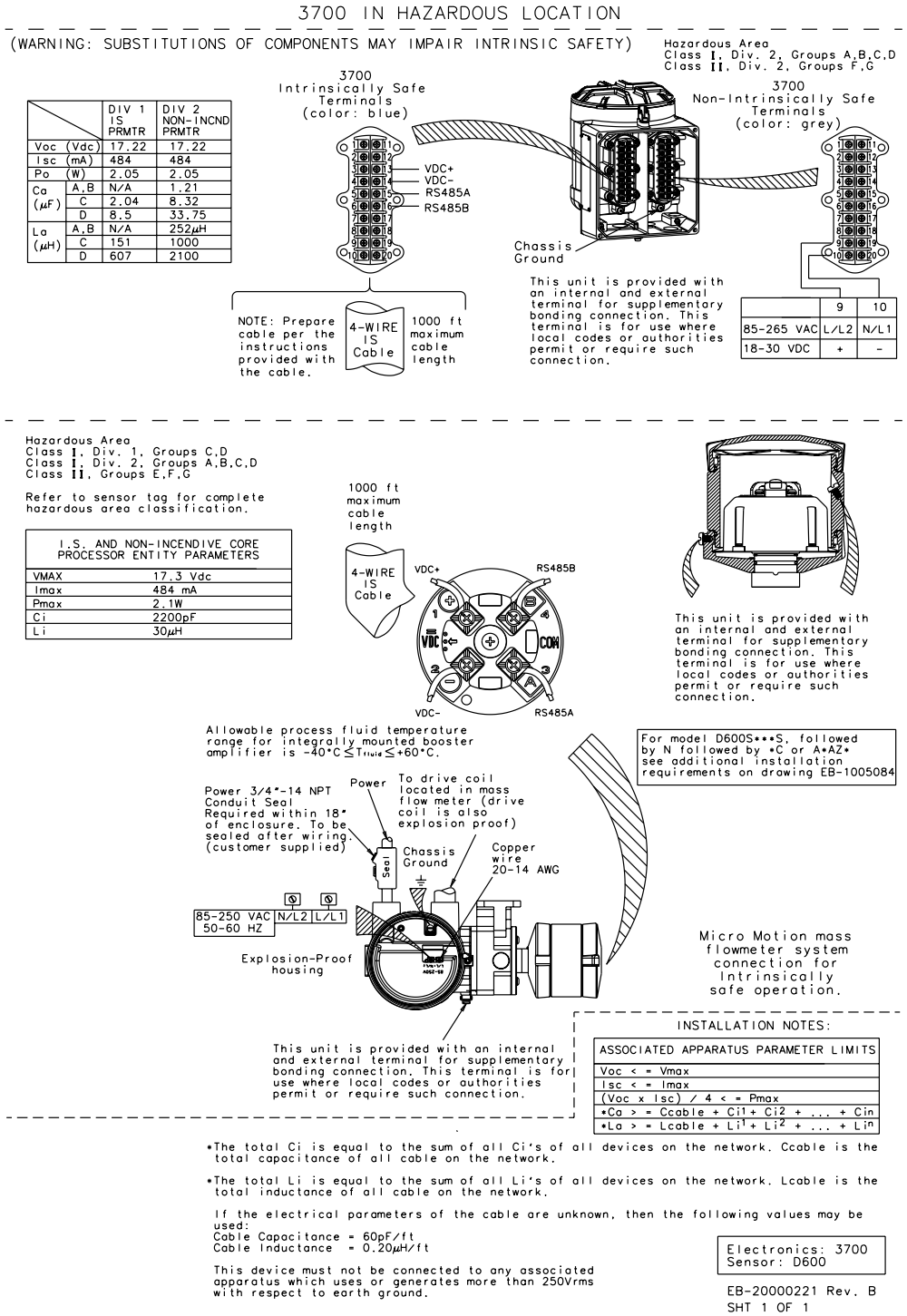

| | | DIV 1 IS PRMTR | DIV 2 NON-INCND PRMTR |
|---|---|---|---|
| Voc (Vdc) | | 17.22 | 17.22 |
| Isc (mA) | | 484 | 484 |
| Po (W) | | 2.05 | 2.05 |
| Co (µF) | A,B | N/A | 1.21 |
| | C | 2.04 | 8.32 |
| | D | 8.5 | 33.75 |
| La (µH) | A,B | N/A | 252µH |
| | C | 151 | 1000 |
| | D | 607 | 2100 |

| | 9 | 10 |
|---|---|---|
| 85-265 VAC | L/L2 | N/L1 |
| 18-30 VDC | + | - |

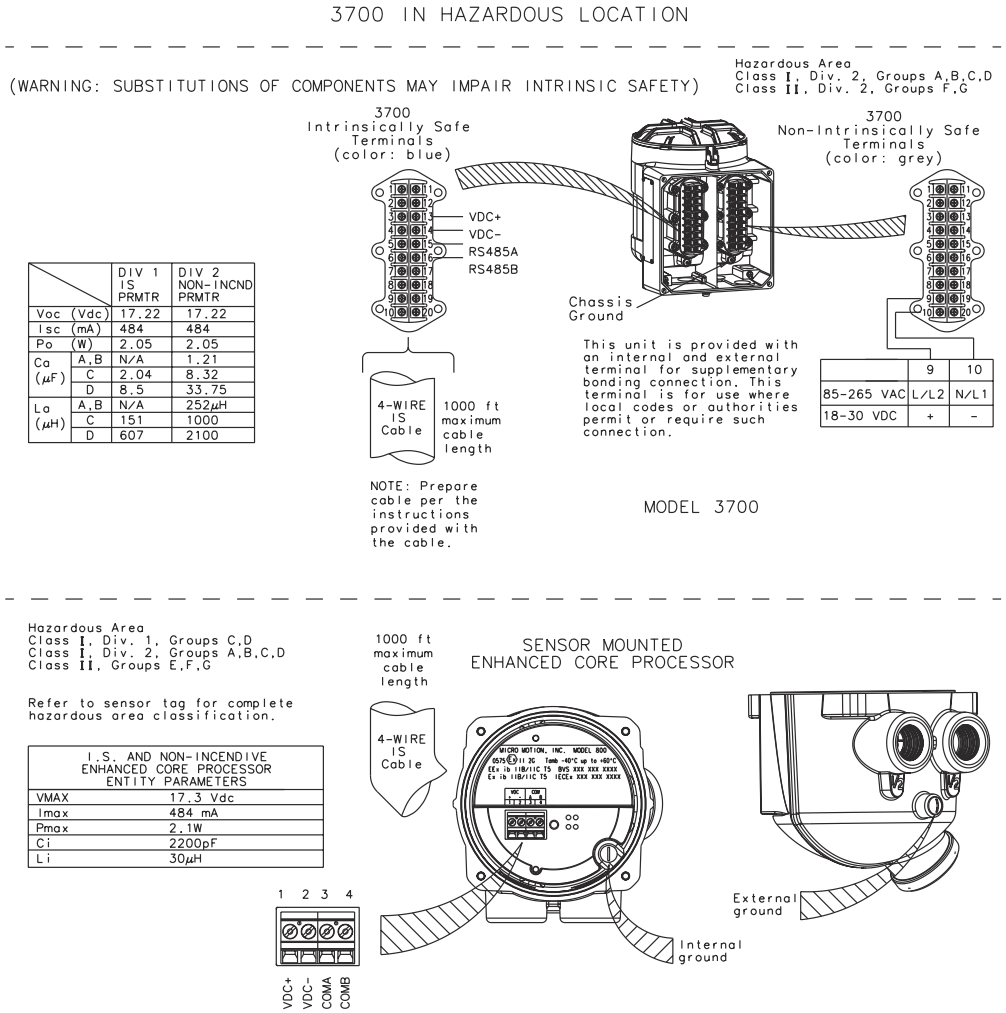
| I.S. AND NON-INCENDIVE CORE PROCESSOR ENTITY PARAMETERS | |
|---|---|
| VMAX | 17.3 Vdc |
| Imax | 484 mA |
| Pmax | 2.1W |
| Ci | 2200pF |
| Li | 30µH |

| ASSOCIATED APPARATUS PARAMETER LIMITS |
|---|
| Voc < = Vmax |
| Isc < = Imax |
| (Voc x Isc) / 4 < = Pmax |
| *Ca > = Ccable + Ci1 + Ci2 + ... + Cin |
| *La > = Lcable + Li1 + Li2 + ... + Lin |

# 7.1.3 3700 4-wire with core processor and D600 sensor



# 7.1.4 3700 4-wire with enhanced core processor and sensor




| | | DIV 1 IS PRMTR | DIV 2 NON-INCND PRMTR |
|---|---|---|---|
| Voc (Vdc) | | 17.22 | 17.22 |
| Isc (mA) | | 484 | 484 |
| Po (W) | | 2.05 | 2.05 |
| Ca (μF) | A,B | N/A | 1.21 |
| | C | 2.04 | 8.32 |
| | D | 8.5 | 33.75 |
| La (μH) | A,B | N/A | 252μH |
| | C | 151 | 1000 |
| | D | 607 | 2100 |

| | 9 | 10 |
|---|---|---|
| 85-265 VAC | L/L2 | N/L1 |
| 18-30 VDC | + | - |

| I.S. AND NON-INCENDIVE ENHANCED CORE PROCESSOR ENTITY PARAMETERS | |
|---|---|
| VMAX | 17.3 Vdc |
| Imax | 484 mA |
| Pmax | 2.1W |
| Ci | 2200pF |
| Li | 30μH |

INSTALLATION NOTES:

| ASSOCIATED APPARATUS PARAMETER LIMITS |
|---|
| Voc < = Vmax |
| Isc < = Imax |
| (Voc x Isc) / 4 < = Pmax |
| *Ca > = Ccable + $Ci^1$ + $Ci^2$ + ... + Cin |
| *La > = Lcable + $Li^1$ + $Li^2$ + ... + $Li^n$ |

*The total Ci is equal to the sum of all Ci's of all devices on the network. Ccable is the total capacitance of all cable on the network.

*The total Li is equal to the sum of all Li's of all devices on the network. Lcable is the total inductance of all cable on the network.

If the electrical parameters of the cable are unknown, then the following values may be used:
Cable Capacitance = 60pF/ft
Cable Inductance = 0.20μH/ft

This device must not be connected to any associated apparatus which uses or generates more than 250Vrms with respect to earth ground.

Micro Motion mass flowmeter system connection for Intrinsically safe operation.

Electronics: 3700

EB-20003012 Rev. A
SHT 1 OF 1

# 7.2 3700 core processor installations

## List of drawings

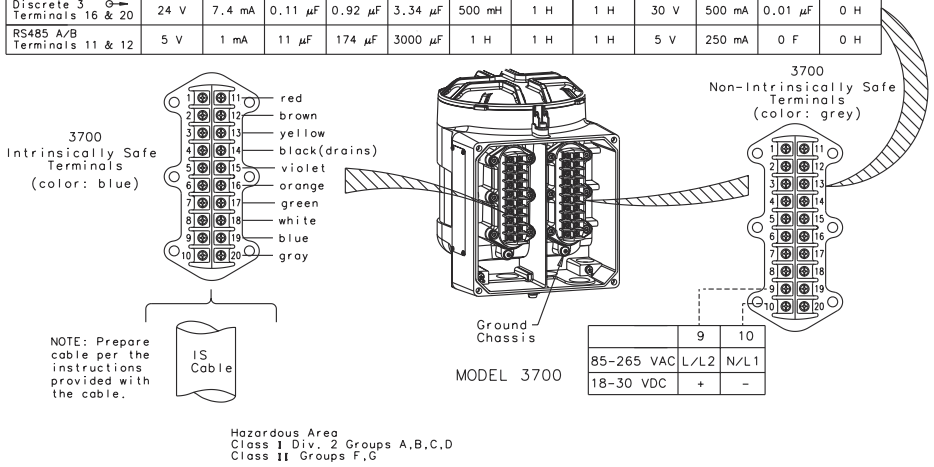
| Installation | Drawing |
|---|---|
| 3700 with core processor and CMF, F, H, or T sensors | EB-20001054, Revision B |

## 7.2.1 3700 with core processor and CMF, F, H, or T sensors

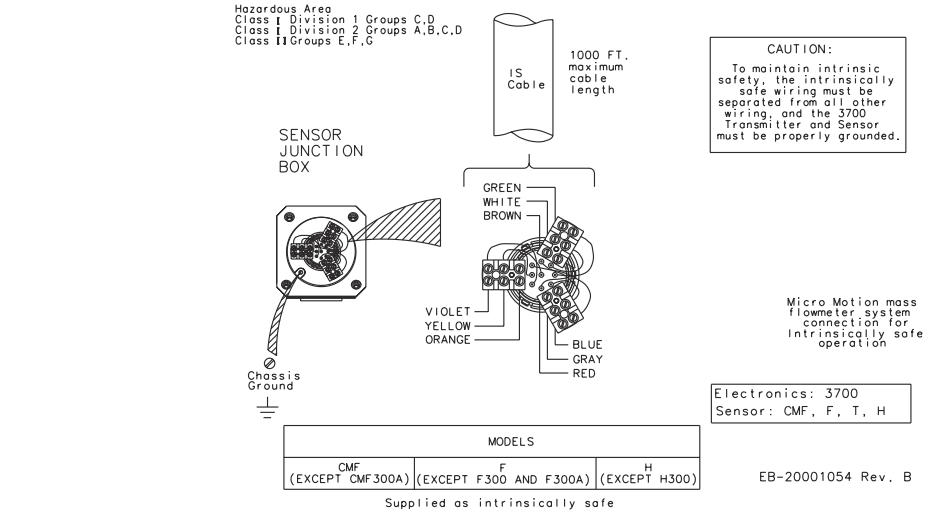
This drawing does not apply to the CMF300A sensor or to the CMF400 sensor with booster amplifier.

Division 2 nonincendive Parameters

| INPUT / OUTPUT Terminal numbers | $V_{oc}$ | $I_{sc}$ | $C_o$ | | | $L_o$ | | | $V_{max}$ | $I_{max}$ | $C_i$ | $L_i$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | A,B | C | D | A,B | C | D | | | | |
| 4-20 mA HART Terminals 1 & 2 | 29 V | 25 mA | 25 nF | 251 nF | 783 nF | 1 mH | 6 mH | 12 mH | | | | |
| 4-20 mA Terminals 3 & 4 | 29 V | 25 mA | 25 nF | 251 nF | 783 nF | 1 mH | 6 mH | 12 mH | | | | |
| Terminals 5 & 6 | 5 V | 6 mA | 11 µF | 174 µF | 3000 µF | 1 H | 1 H | 1 H | 30 V | 1.5 mA | 0 F | 0 H |
| Discrete 1 Terminals 5 & 7 | 5 V | 1 mA | 11 µF | 174 µF | 3000 µF | 1 H | 1 H | 1 H | 30 V | 0.6 mA | 0 F | 0 H |
| Discrete 2 Terminals 5 & 8 | 5 V | 1 mA | 11 µF | 174 µF | 3000 µF | 1 H | 1 H | 1 H | 30 V | 0.6 mA | 0 F | 0 H |
| Terminals 19 & 20 | 24 V | 16 mA | 0.12 µF | 0.93 µF | 3.35 µF | 100 mH | 500 mH | 1 H | 30 V | 500 mA | 0 F | 0 H |
| Discrete 1 Terminals 18 & 20 | 24 V | 7.4 mA | 0.11 µF | 0.92 µF | 3.34 µF | 500 mH | 1 H | 1 H | 30 V | 500 mA | 0.01 µF | 0 H |
| Discrete 2 Terminals 17 & 20 | 24 V | 7.4 mA | 0.11 µF | 0.92 µF | 3.34 µF | 500 mH | 1 H | 1 H | 30 V | 500 mA | 0.01 µF | 0 H |
| Discrete 3 Terminals 16 & 20 | 24 V | 7.4 mA | 0.11 µF | 0.92 µF | 3.34 µF | 500 mH | 1 H | 1 H | 30 V | 500 mA | 0.01 µF | 0 H |
| RS485 A/B Terminals 11 & 12 | 5 V | 1 mA | 11 µF | 174 µF | 3000 µF | 1 H | 1 H | 1 H | 5 V | 250 mA | 0 F | 0 H |




Hazardous Area
Class I Div. 2 Groups A,B,C,D
Class II Groups F,G



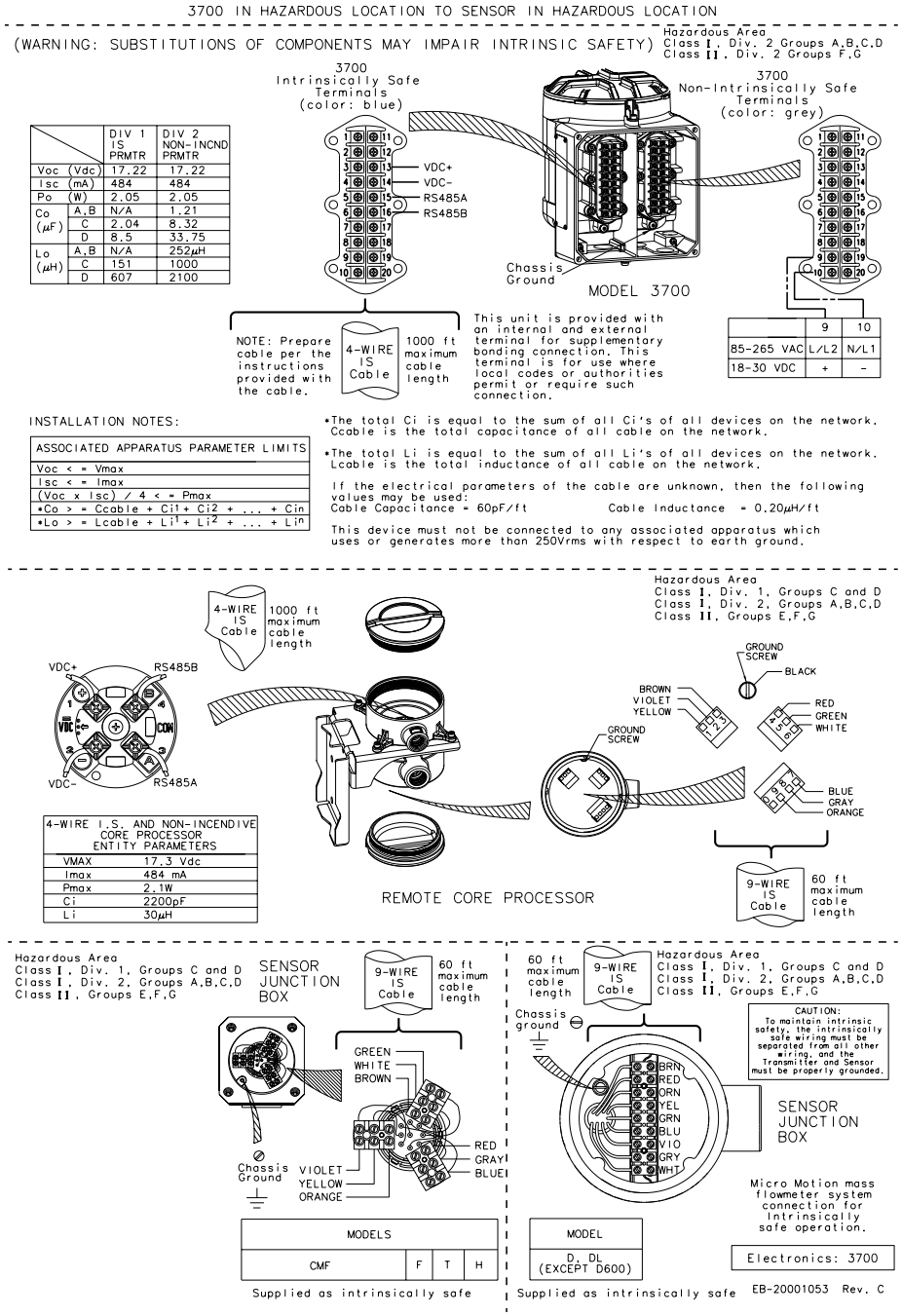
# 7.3 3700 remote core processor installations

### List of drawings

| Installation | Drawing |
|---|---|
| 3700 with remote core processor and CMF, D, DL, F, H, or T sensors | EB-20001053, Revision CA |
| 3700 with remote core processor and CMF300A sensor | EB-20000212, Revision C |
| 3700 with remote core processor and CMF400 sensor with booster amplifier | EB-20000203, Revision B |
| 3700 with remote core processor and D600 sensor | EB-20000206, Revision B |
| 3700 with remote core processor and DT sensor | EB-20000215, Revision B |

## 7.3.1 3700 with remote core processor and CMF, D, DL, F, H, or T sensors

This drawing does not apply to the D600, DT, or CMF400 with booster amplifier sensors.




| | | DIV 1 IS PRMTR | DIV 2 NON-INCND PRMTR |
|---|---|---|---|
| Voc (Vdc) | | 17.22 | 17.22 |
| Isc (mA) | | 484 | 484 |
| Po (W) | | 2.05 | 2.05 |
| Co (µF) | A,B | N/A | 1.21 |
| | C | 2.04 | 8.32 |
| | D | 8.5 | 33.75 |
| Lo (µH) | A,B | N/A | 252µH |
| | C | 151 | 1000 |
| | D | 607 | 2100 |

| | 9 | 10 |
|---|---|---|
| 85-265 VAC | L/L2 | N/L1 |
| 18-30 VDC | + | – |

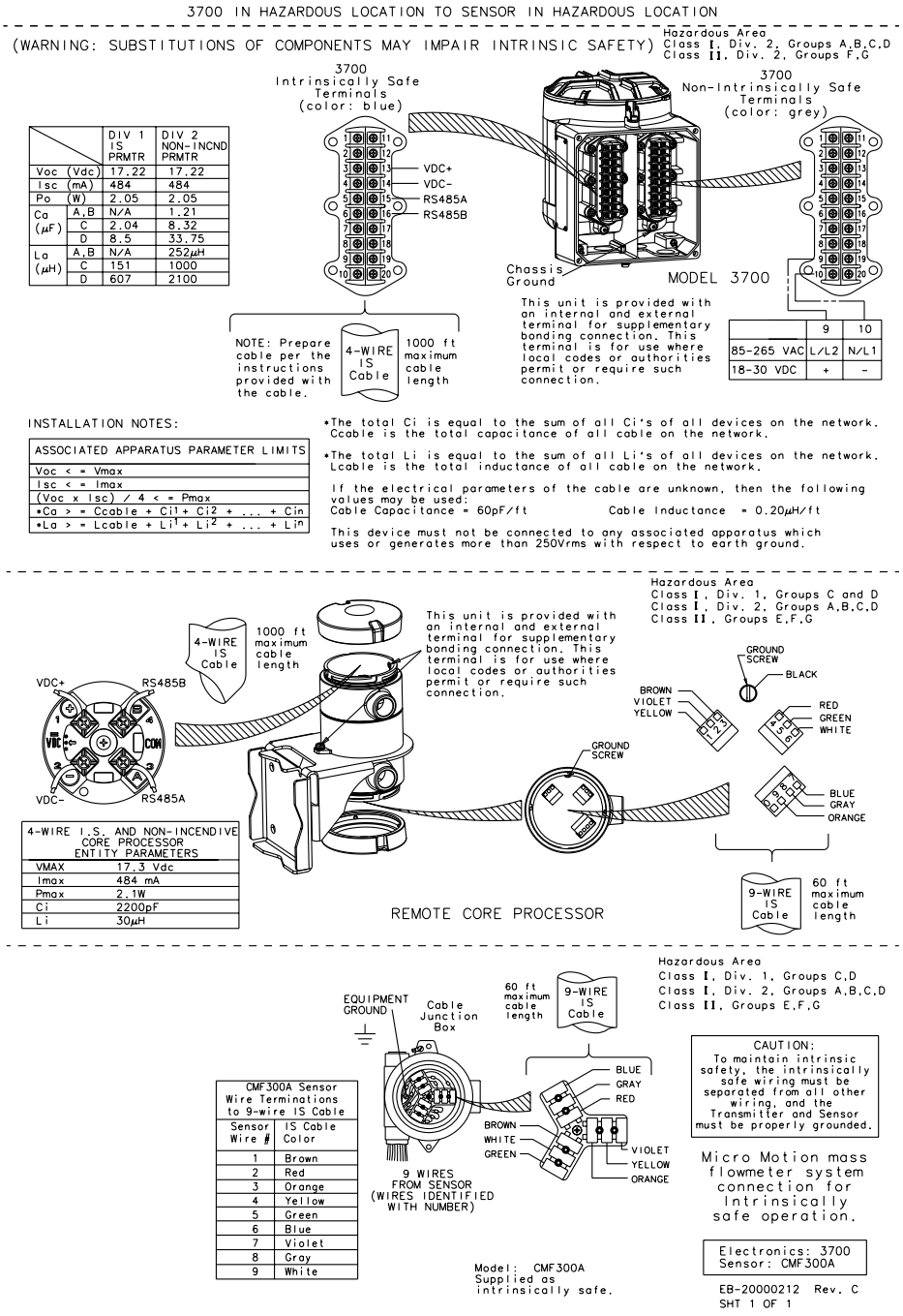
| ASSOCIATED APPARATUS PARAMETER LIMITS |
|---|
| Voc < = Vmax |
| Isc < = Imax |
| (Voc x Isc) / 4 < = Pmax |
| •Co > = Ccable + Ci1 + Ci2 + ... + Cin |
| •Lo > = Lcable + Li1 + Li2 + ... + Lin |

| 4-WIRE I.S. AND NON-INCENDIVE CORE PROCESSOR ENTITY PARAMETERS | |
|---|---|
| VMAX | 17.3 Vdc |
| Imax | 484 mA |
| Pmax | 2.1W |
| Ci | 2200pF |
| Li | 30µH |

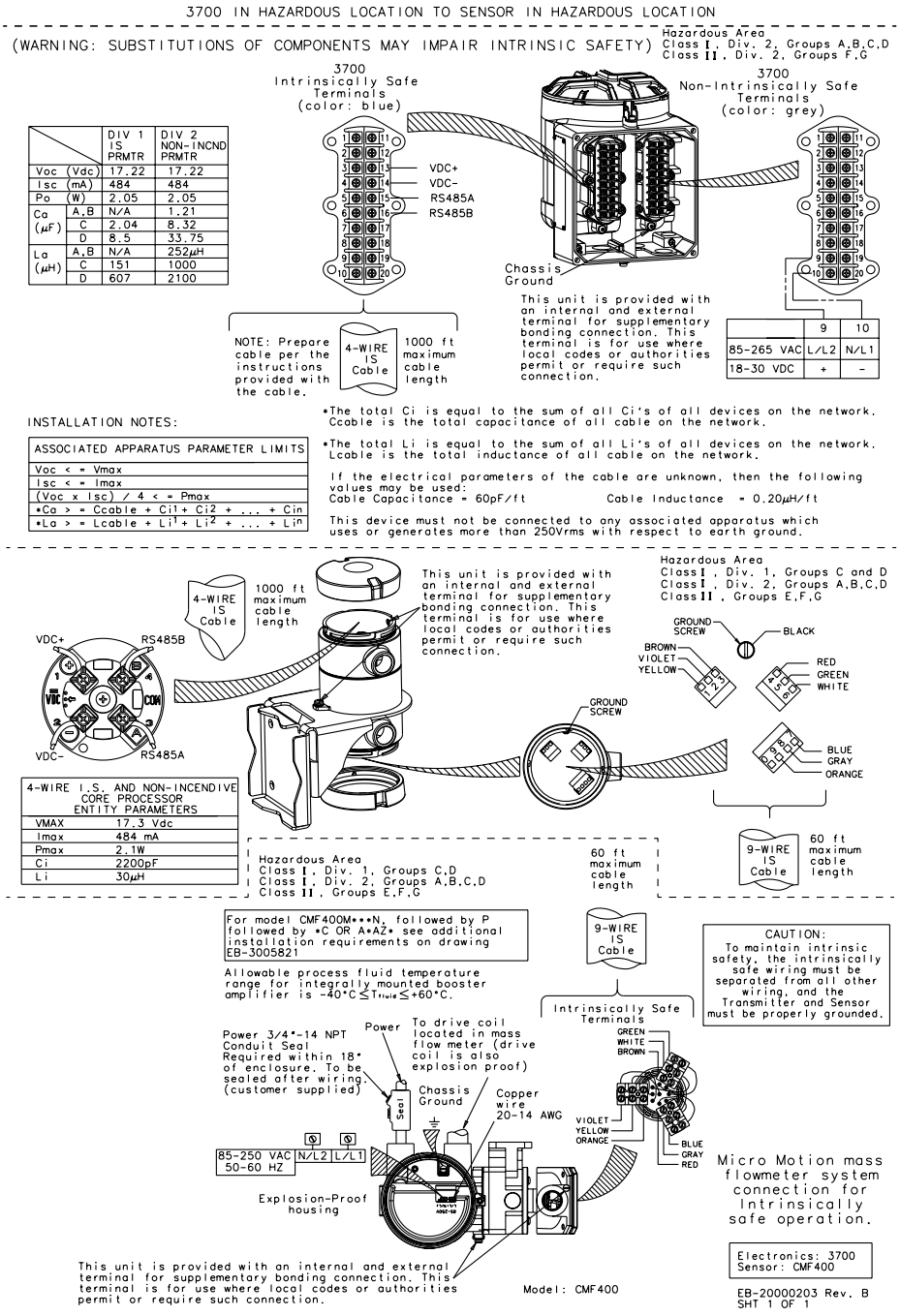
| MODELS | | | | |
|---|---|---|---|---|
| CMF | F | T | H | |

| MODEL |
|---|
| D, DL (EXCEPT D600) |

## 7.3.2 3700 with remote core processor and CMF300A sensor



## 7.3.3 3700 with remote core processor and CMF400 sensor with booster amplifier

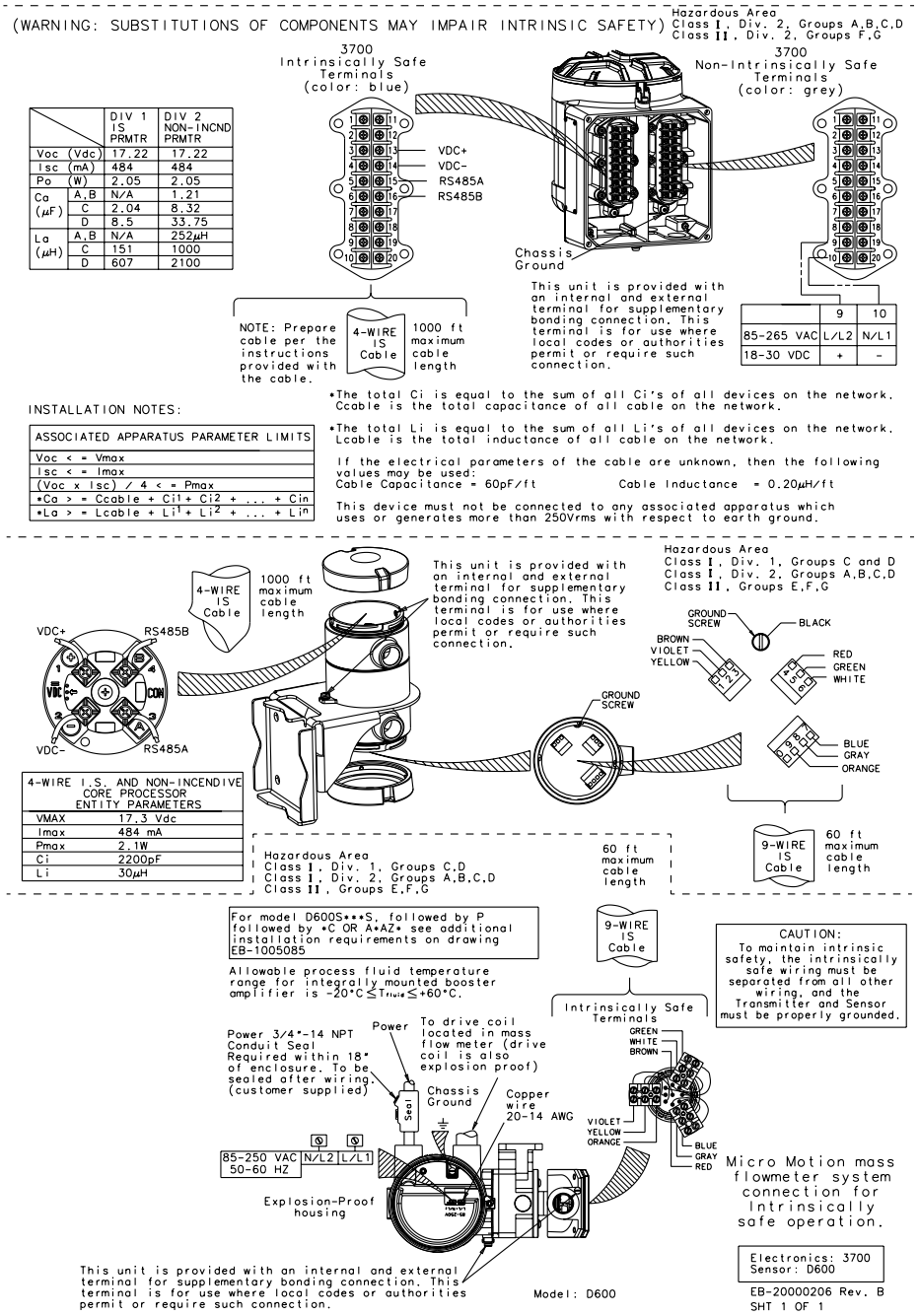



| | | DIV 1 IS PRMTR | DIV 2 NON-INCND PRMTR |
|---|---|---|---|
| Voc (Vdc) | | 17.22 | 17.22 |
| Isc (mA) | | 484 | 484 |
| Po (W) | | 2.05 | 2.05 |
| Ca (µF) | A,B | N/A | 1.21 |
| | C | 2.04 | 8.32 |
| | D | 8.5 | 33.75 |
| La (µH) | A,B | N/A | 252µH |
| | C | 151 | 1000 |
| | D | 607 | 2100 |

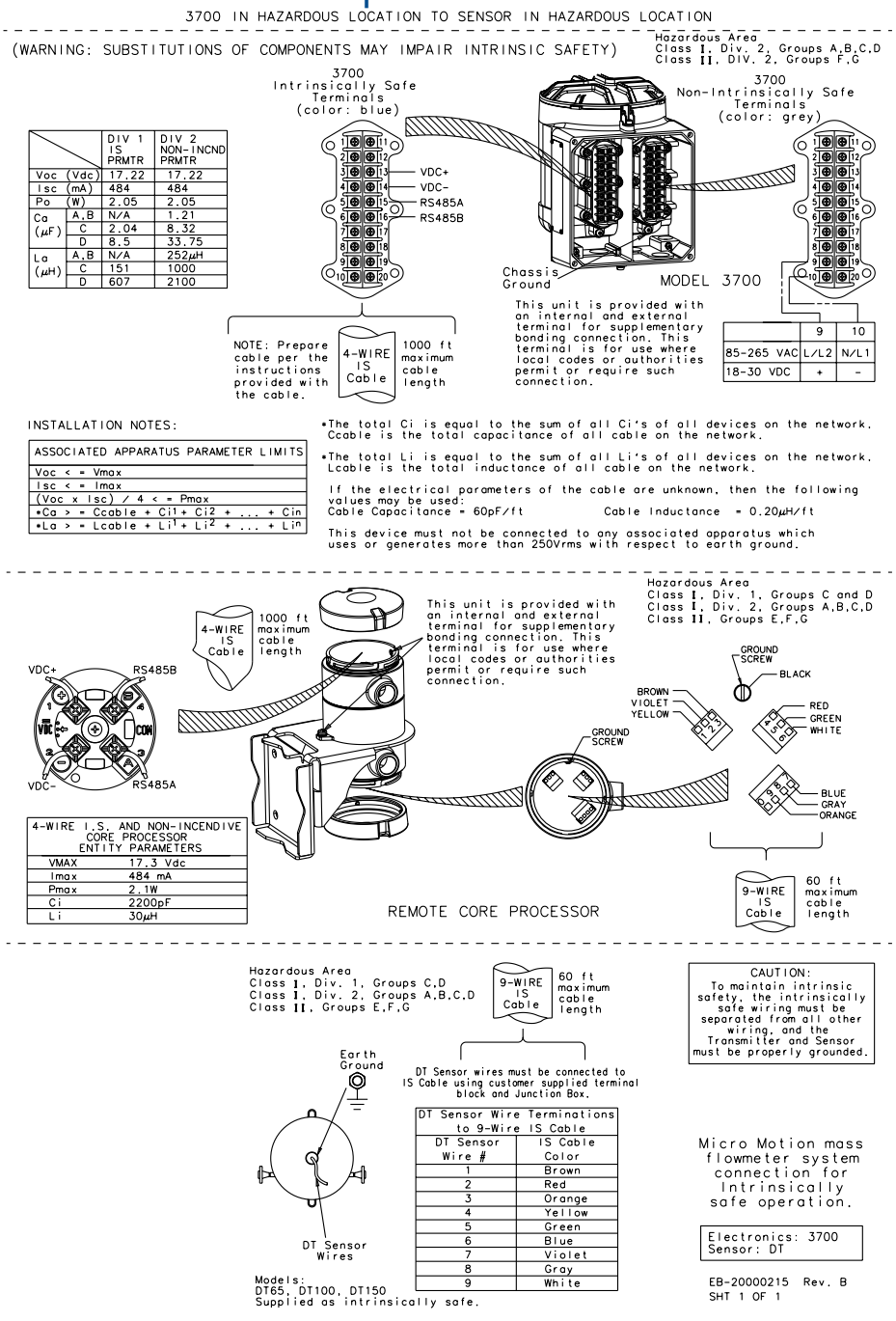
| ASSOCIATED APPARATUS PARAMETER LIMITS |
|---|
| Voc < = Vmax |
| Isc < = Imax |
| (Voc x Isc) / 4 < = Pmax |
| •Ca > = Ccable + Ci1 + Ci2 + ... + Cin |
| •La > = Lcable + Li1 + Li2 + ... + Lin |

| 4-WIRE I.S. AND NON-INCENDIVE CORE PROCESSOR ENTITY PARAMETERS | |
|---|---|
| VMAX | 17.3 Vdc |
| Imax | 484 mA |
| Pmax | 2.1W |
| Ci | 2200pF |
| Li | 30µH |

# 7.3.4 3700 with remote core processor and D600 sensor



# 7.3.5 3700 with remote core processor and DT sensor




| | | DIV 1 IS PRMTR | DIV 2 NON-INCND PRMTR |
|---|---|---|---|
| Voc (Vdc) | | 17.22 | 17.22 |
| Isc (mA) | | 484 | 484 |
| Po (W) | | 2.05 | 2.05 |
| Ca (µF) | A,B | N/A | 1.21 |
| | C | 2.04 | 8.32 |
| | D | 8.5 | 33.75 |
| La (µH) | A,B | N/A | 252µH |
| | C | 151 | 1000 |
| | D | 607 | 2100 |

| | 9 | 10 |
|---|---|---|
| 85-265 VAC | L/L2 | N/L1 |
| 18-30 VDC | + | - |

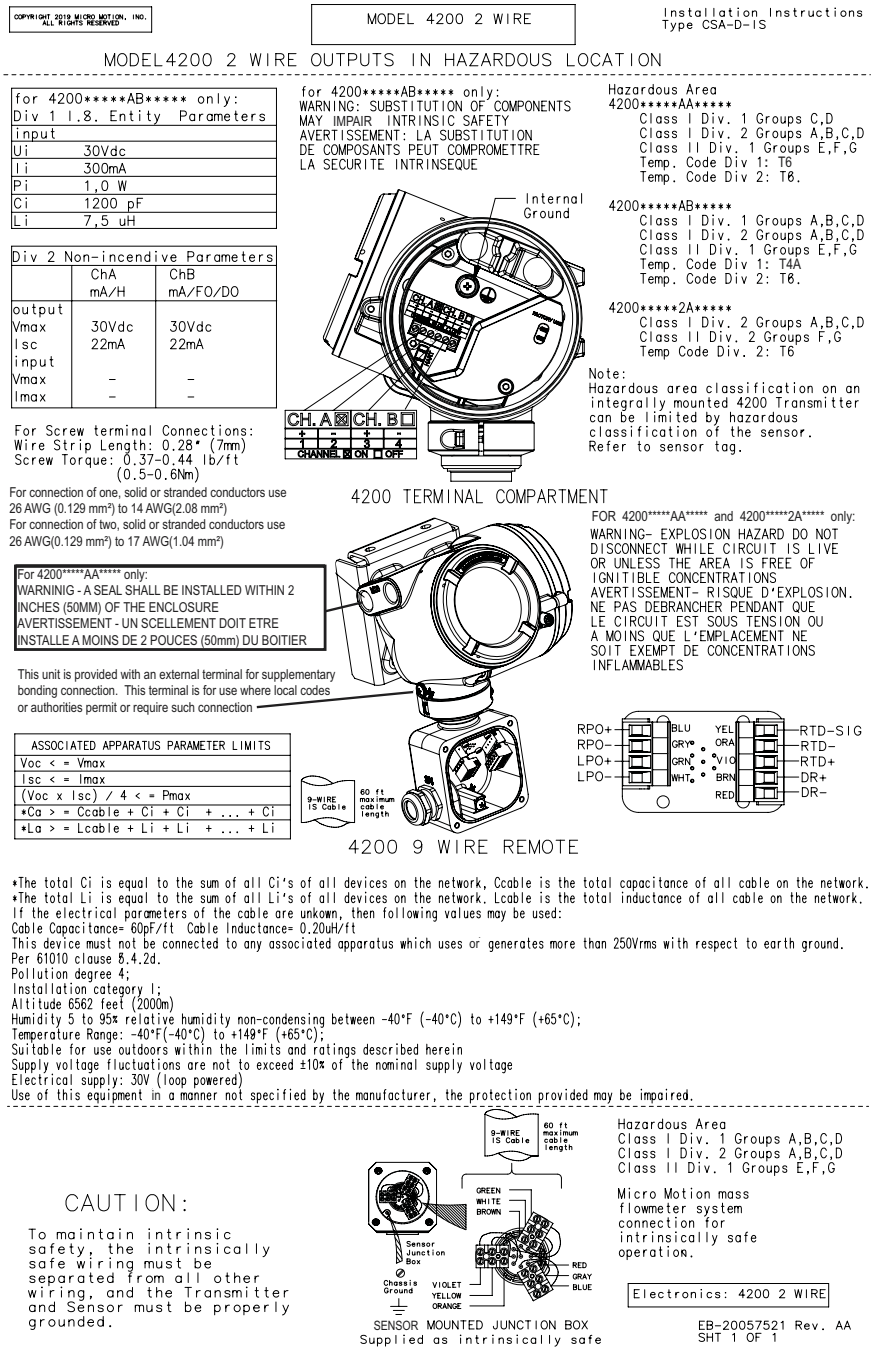
| ASSOCIATED APPARATUS PARAMETER LIMITS |
|---|
| Voc < = Vmax |
| Isc < = Imax |
| (Voc x Isc) / 4 < = Pmax |
| •Ca > = Ccable + Ci1 + Ci2 + ... + Cin |
| •La > = Lcable + Li1 + Li2 + ... + Lin |

| 4-WIRE I.S. AND NON-INCENDIVE CORE PROCESSOR ENTITY PARAMETERS | |
|---|---|
| VMAX | 17.3 Vdc |
| Imax | 484 mA |
| Pmax | 2.1W |
| Ci | 2200pF |
| Li | 30µH |

| DT Sensor Wire Terminations to 9-Wire IS Cable | |
|---|---|
| DT Sensor Wire # | IS Cable Color |
| 1 | Brown |
| 2 | Red |
| 3 | Orange |
| 4 | Yellow |
| 5 | Green |
| 6 | Blue |
| 7 | Violet |
| 8 | Gray |
| 9 | White |

# 8 4200 transmitters

This drawing describes an outputs installation for a 4200 2-wire transmitter.



# 9 5700 transmitters

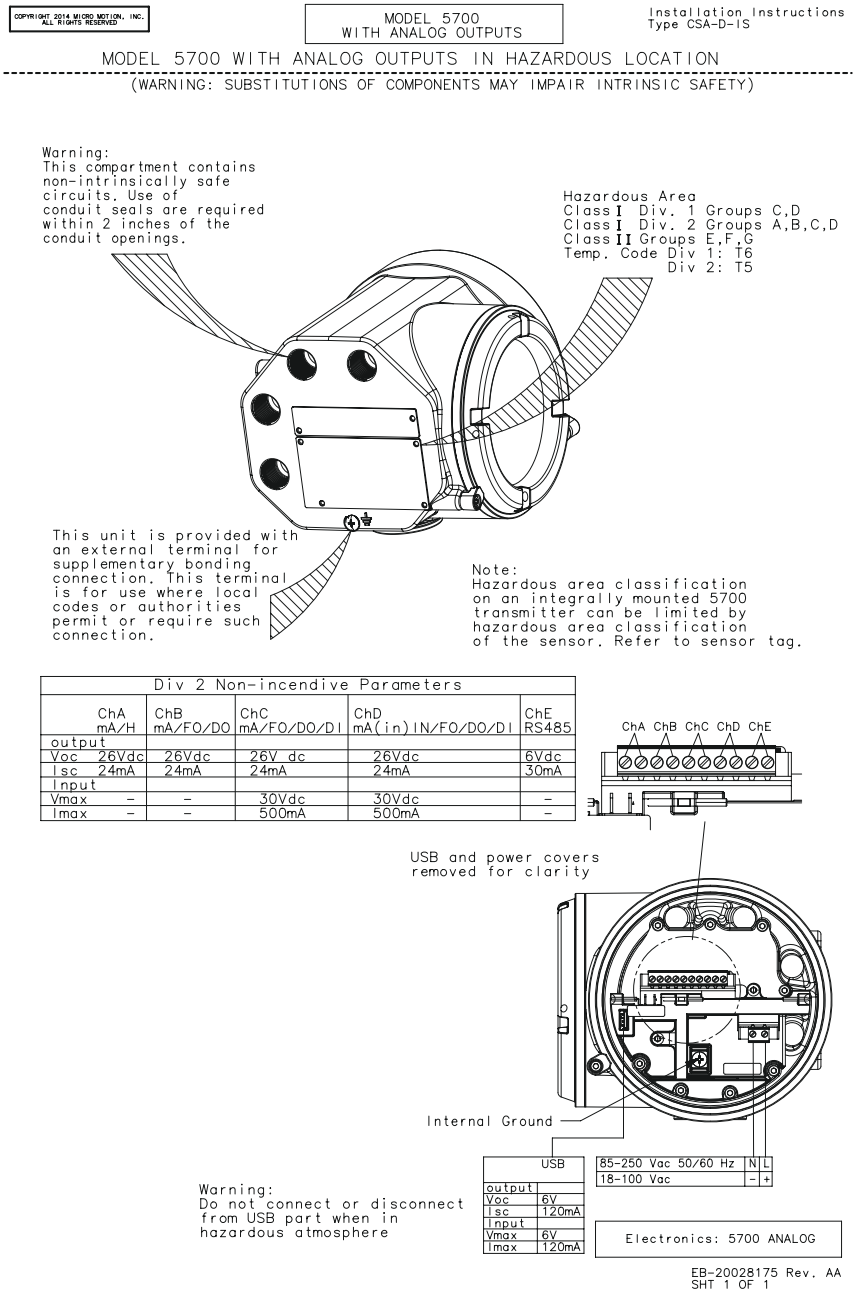
## 9.1 5700 transmitter outputs

**Table 9-1: List of drawings**

| Transmitter | Drawing |
|---|---|
| 5700 CIO | EB-20028175, Revision AA |
| 5700 Ethernet | EB-20030708, Revision AA |
| 5700 fieldbus | EB-20030711, Revision AA |
| 5700 fieldbus (FISCO) | EB-20030804, Revision AA |
| 5700 IS | EB-20045787, Revision AA |

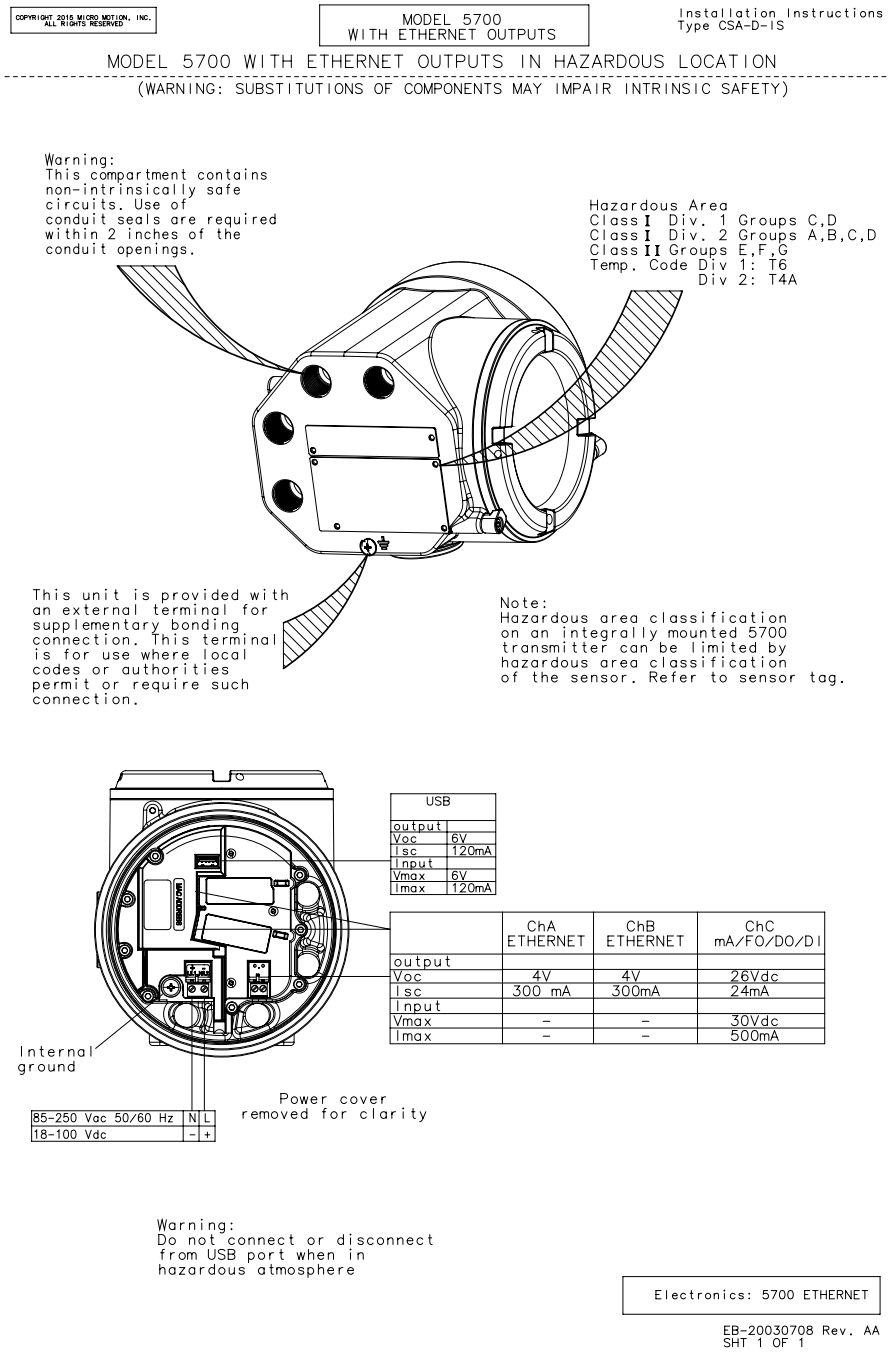
## 9.1.1 5700 CIO

This drawing describes an outputs installation for a 5700 transmitter with configurable inputs and outputs.



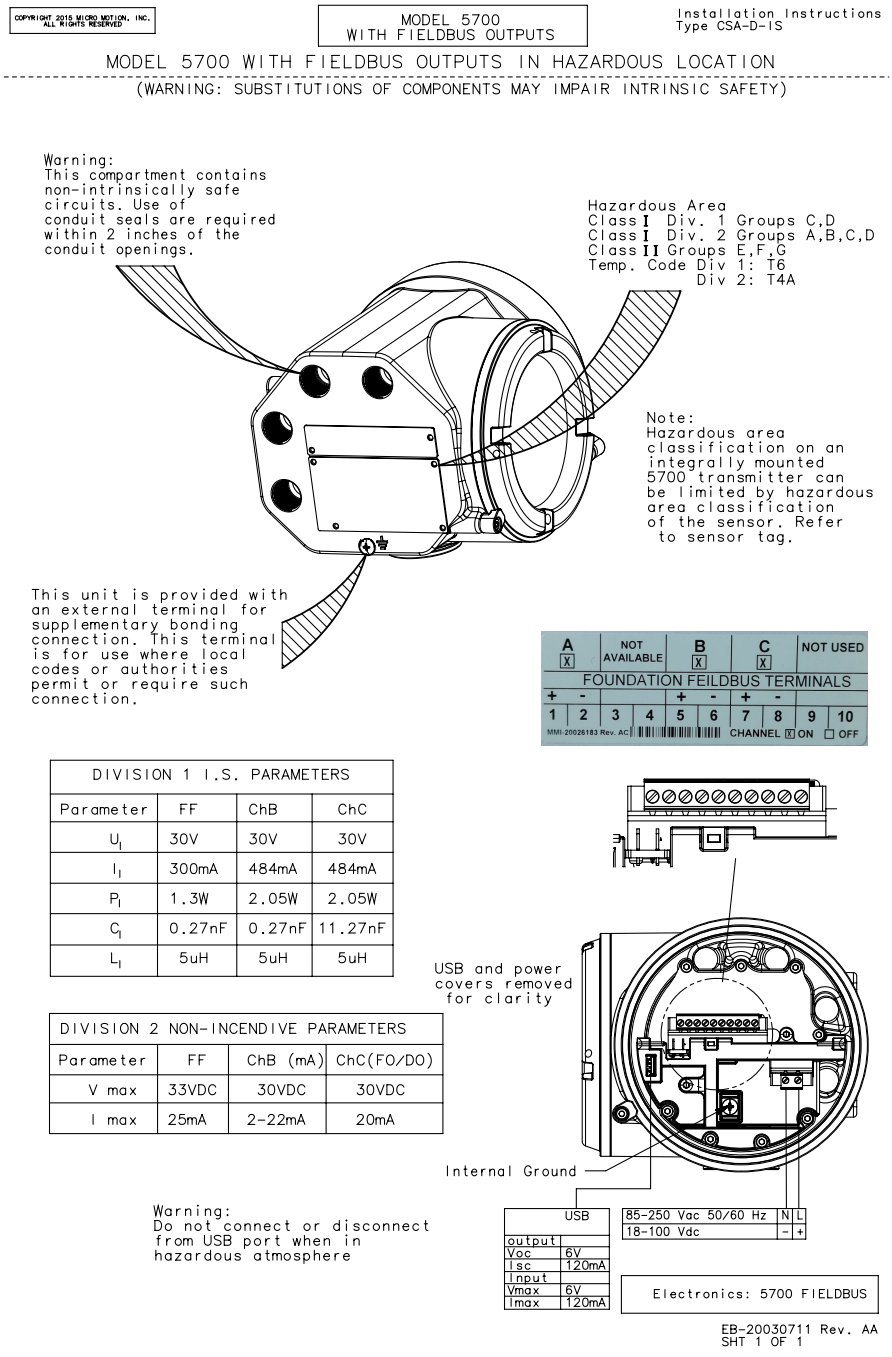
## 9.1.2 5700 Ethernet

This drawing describes an outputs installation for a 5700 transmitter with Ethernet outputs.



## 9.1.3 5700 fieldbus

This drawing describes an outputs installation for a 5700 transmitter with fieldbus outputs.

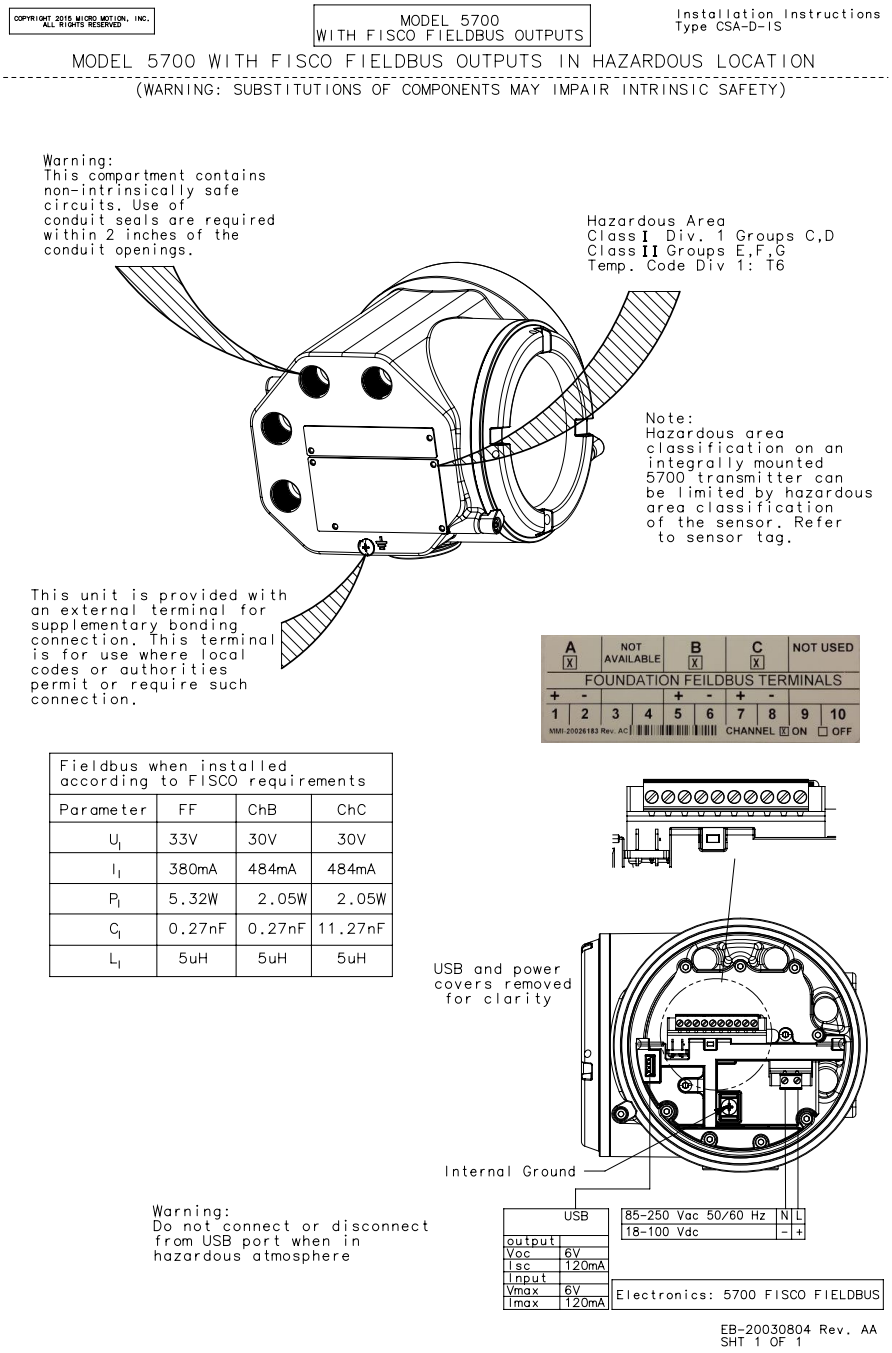



| DIVISION 1 I.S. PARAMETERS | | | |
|---|---|---|---|
| Parameter | FF | ChB | ChC |
| $U_i$ | 30V | 30V | 30V |
| $I_i$ | 300mA | 484mA | 484mA |
| $P_i$ | 1.3W | 2.05W | 2.05W |
| $C_i$ | 0.27nF | 0.27nF | 11.27nF |
| $L_i$ | 5uH | 5uH | 5uH |

| DIVISION 2 NON-INCENDIVE PARAMETERS | | | |
|---|---|---|---|
| Parameter | FF | ChB (mA) | ChC(FO/DO) |
| V max | 33VDC | 30VDC | 30VDC |
| I max | 25mA | 2-22mA | 20mA |

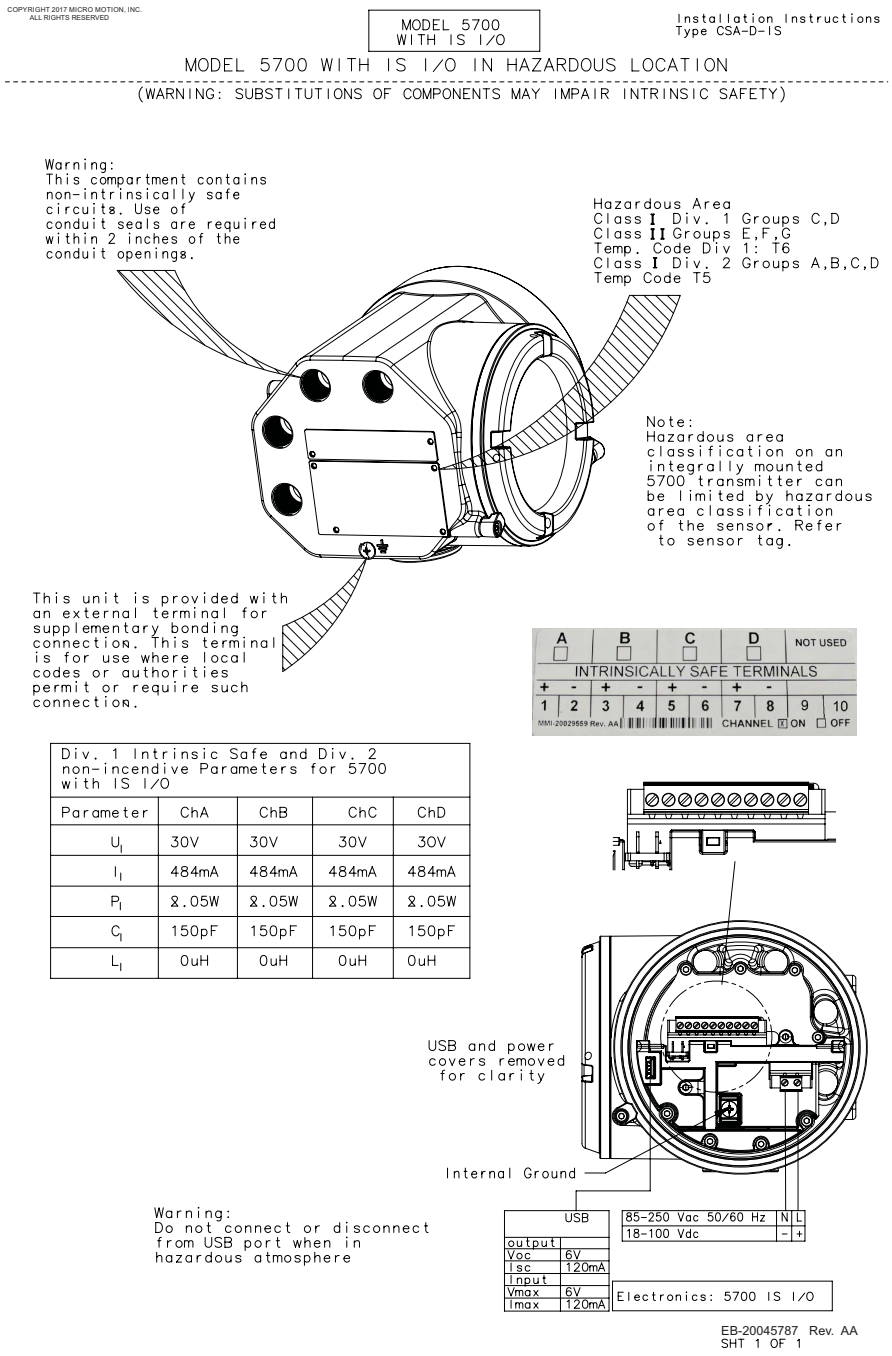
## 9.1.4 5700 fieldbus (FISCO)

This drawing describes an outputs installation for a 5700 transmitter with fieldbus (FISCO) outputs.



## 9.1.5 5700 IS

This drawing describes an outputs installation for a 5700 transmitter with intrinsically safe outputs.



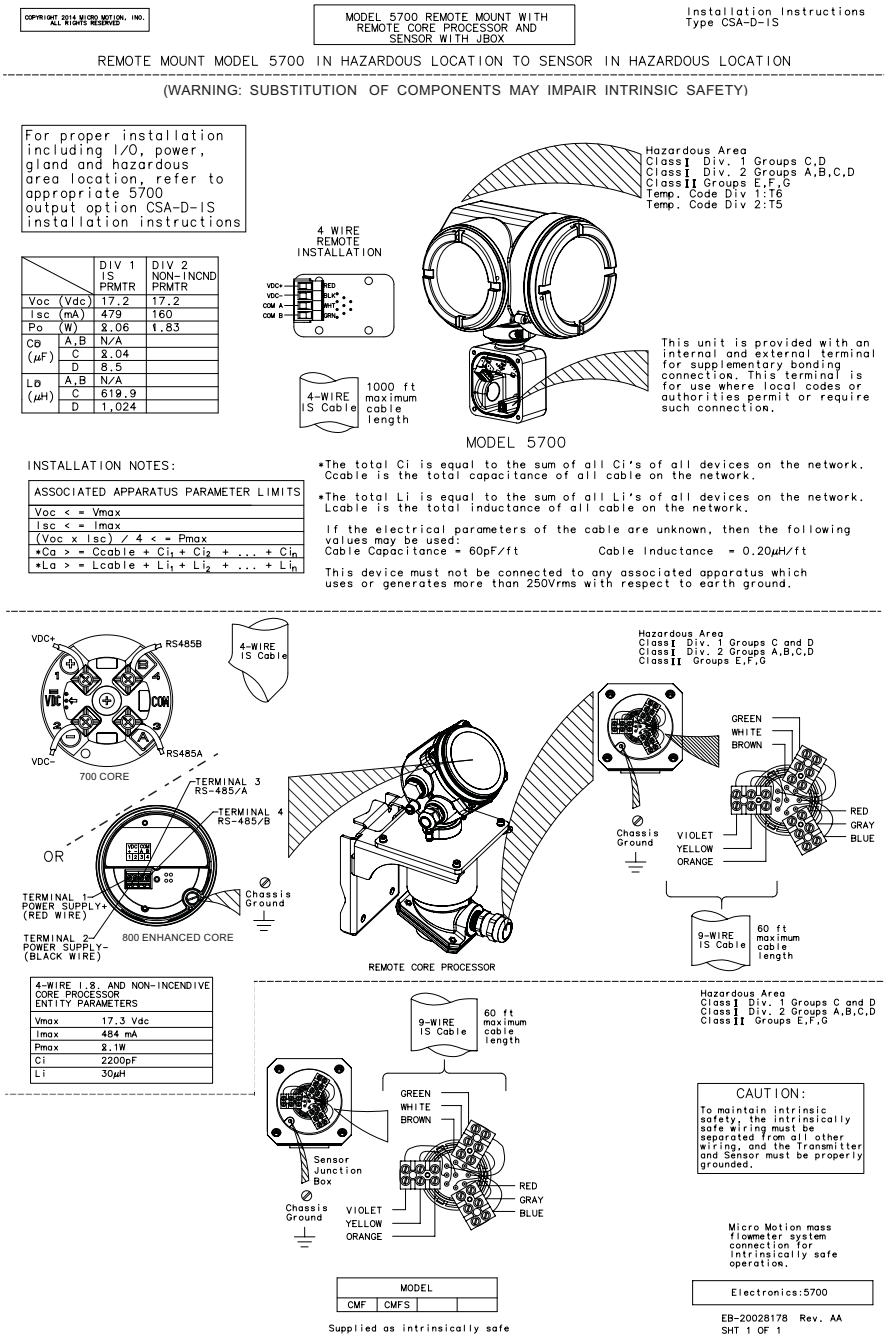
# 9.2 5700 4-wire installations

### Table 9-2: List of drawings

| Installation | Drawing |
|---|---|
| Remote 5700 4-wire with remote core processor | EB-20028178, Revision AA |
| Remote 5700 4-wire with core processor | EB-20028177, Revision AA |

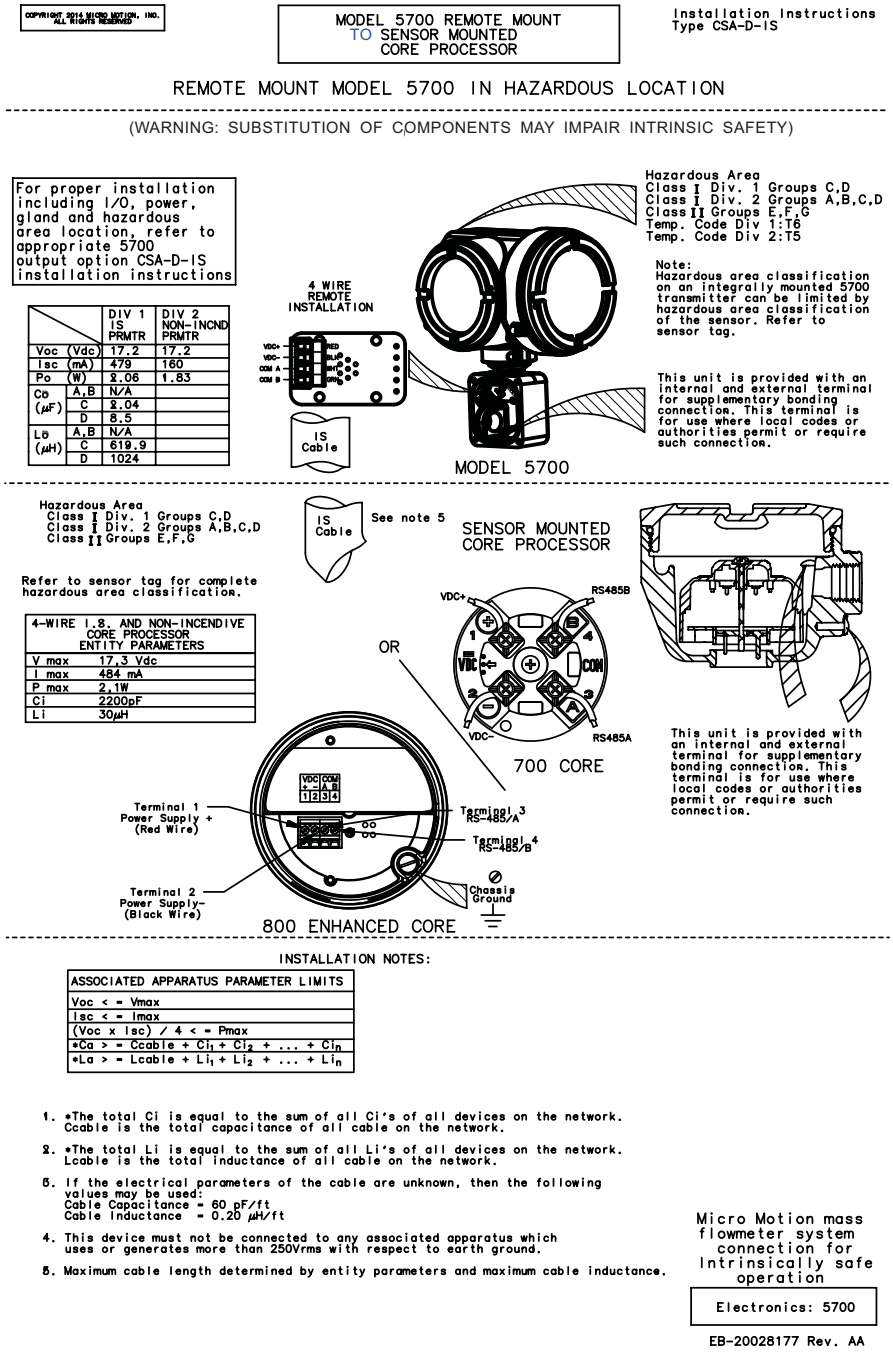
## 9.2.1 Remote 5700 4-wire with remote core processor

This drawing describes a remote 5700 4-wire installation with a remote core processor mounted on a sensor with a junction box.



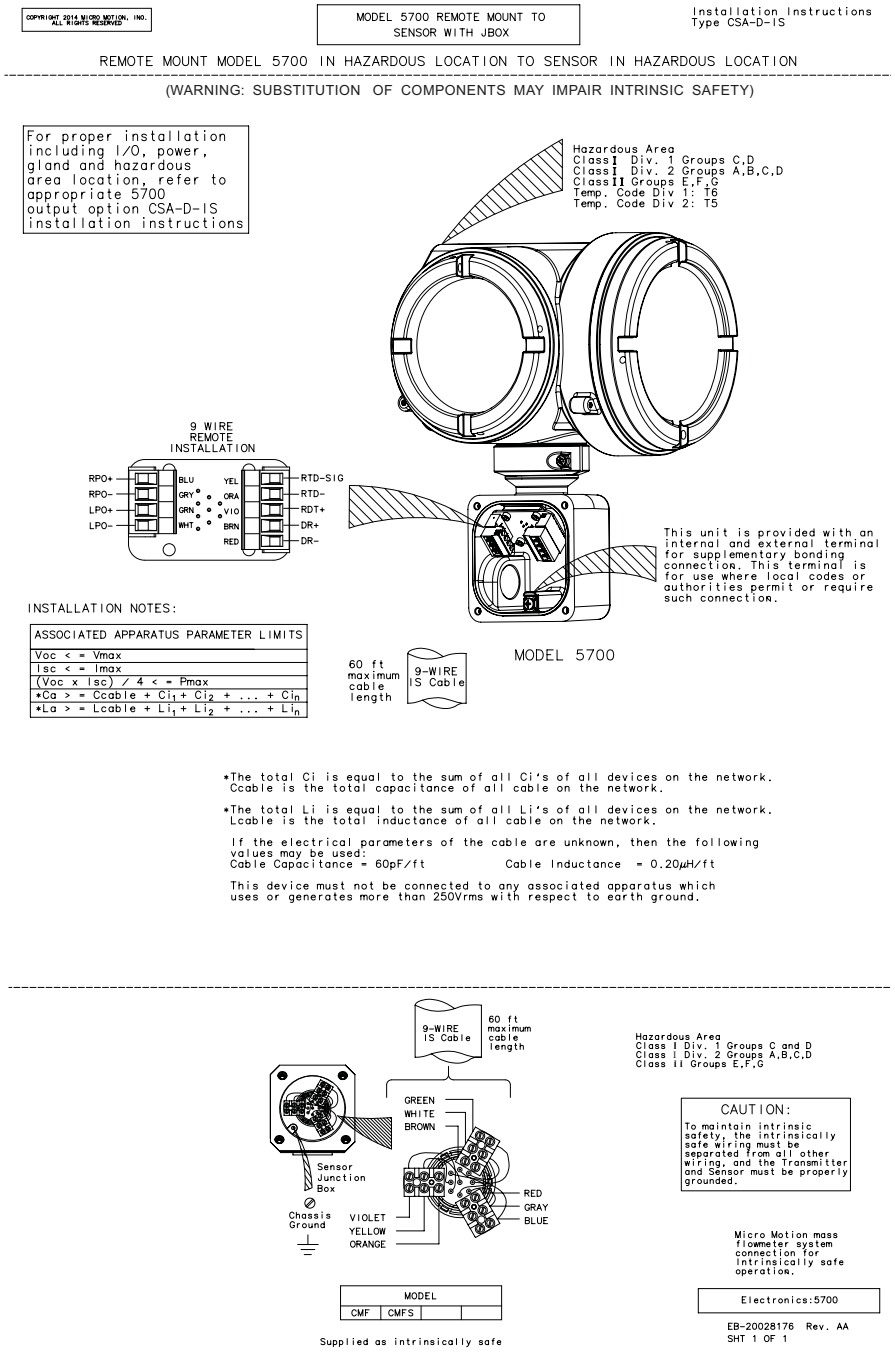
## 9.2.2 Remote 5700 4-wire with core processor

This drawing describes a remote 5700 4-wire installation with a core processor mounted on a sensor.



# 9.3 5700 9-wire installation

This drawing describes a 5700 transmitter connected to a remote core processor that has a 9-wire junction box mounted on a sensor.



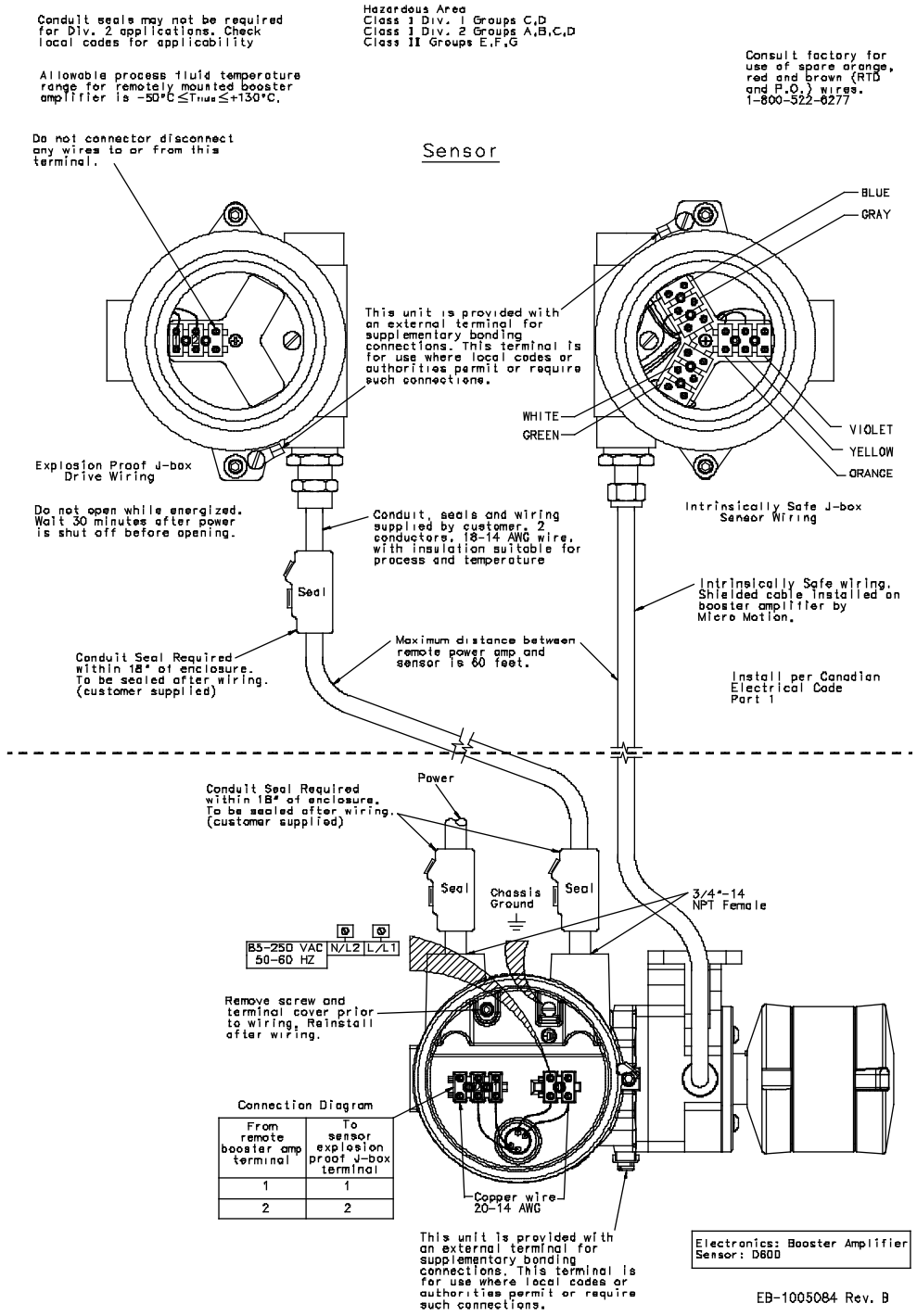
# 10 Booster amplifiers

## 10.1 Booster amplifiers with D600 sensors

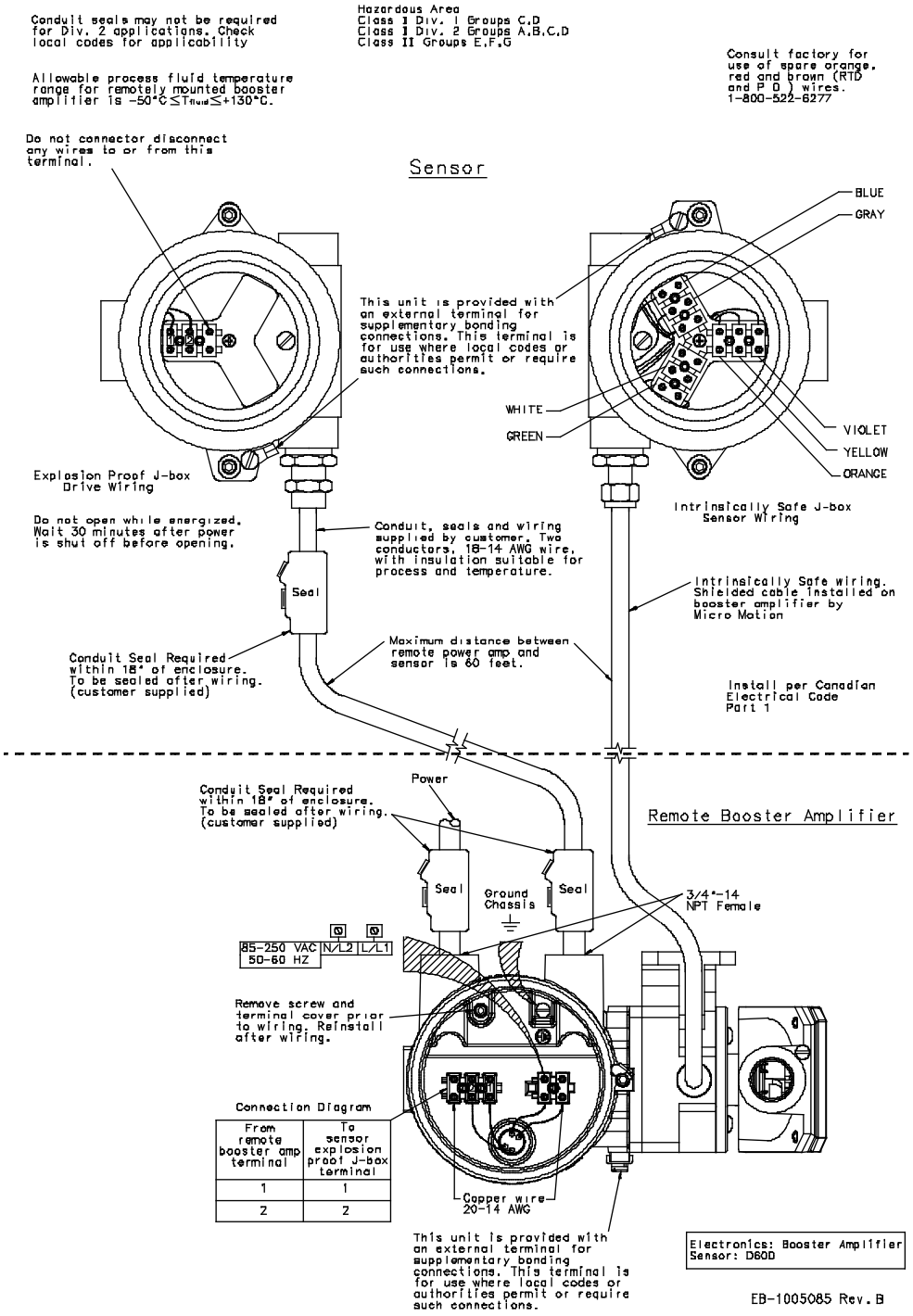
### List of drawings

| Installation | Drawing |
|---|---|
| Booster amplifier with core processor and D600 sensor | EB-1005084, Revision B |
| Booster amplifier with junction box and D600 sensor | EB-1005085, Revision B |

## 10.1.1 Booster amplifier with core processor and D600 sensor



## 10.1.2 Booster amplifier with junction box and D600 sensor

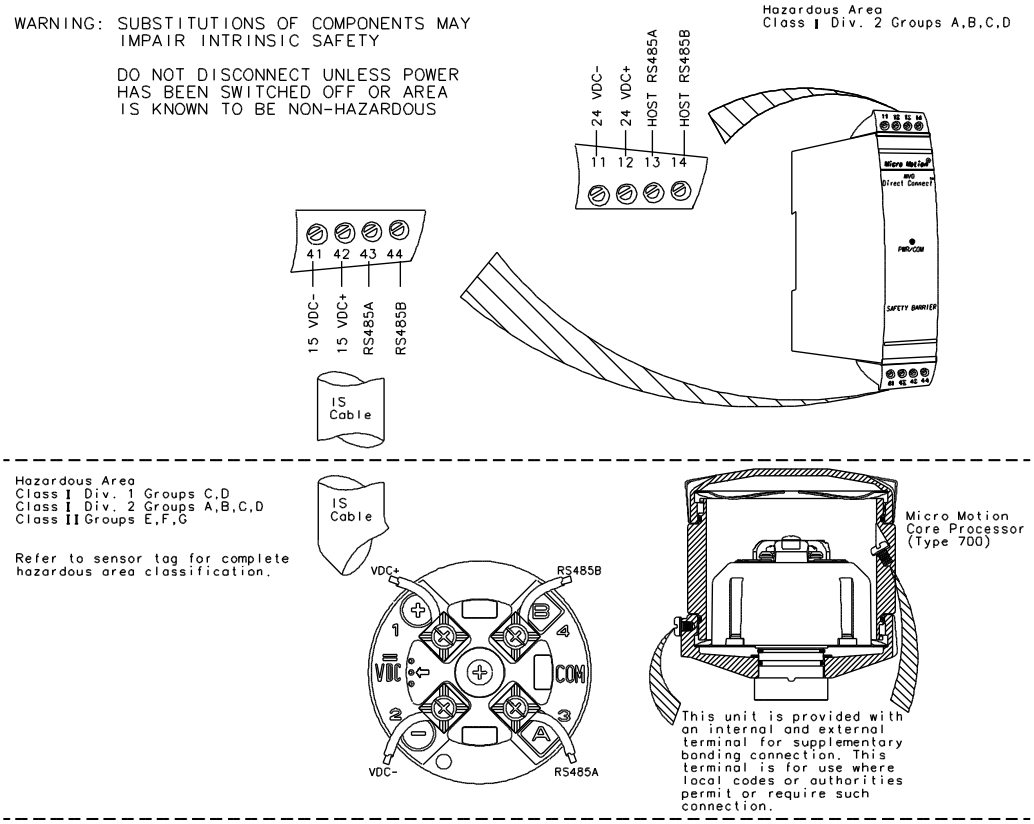


# 11 Direct host 4-wire

**Table 11-1: List of drawings**

| Installation | Drawing |
|---|---|
| Core processor to direct host through a safety barrier | EB-3600799, Revision CA |
| Enhanced core processor to direct host through a safety barrier | EB-20003013, Revision A |

# 11.1 Core processor to direct host through a safety barrier




Maximum Cable Capacitance = 60pF/ft
Maximum Cable Inductance = 0.20µH/ft

Maximum cable length from core processor to safety barrier is 500 feet.
For cable runs greater than 500 feet, please contact Micro Motion.

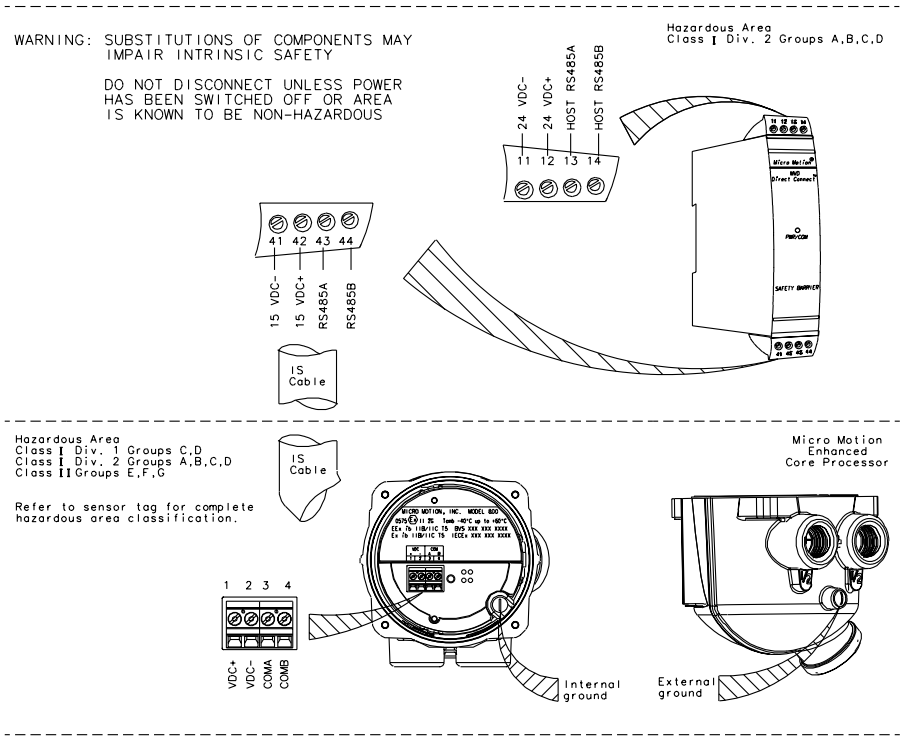
This device must not be connected to any associated apparatus which uses or generates more than 250Vrms with respect to earth ground.

Micro Motion mass flowmeter system connection for Intrinsically safe operation

Electronics: SAFETY BARRIER

EB-3600799 Rev. C
SHT 1 OF 1

# 11.2 Enhanced core processor to direct host through a safety barrier




Maximum Cable Capacitance = 60pF/ft
Maximum Cable Inductance = 0.20µH/ft

Maximum cable length from core processor to safety barrier is 500 feet. For cable runs greater than 500 feet, please contact Micro Motion.

This device must not be connected to any associated apparatus which uses or generates more than 250Vrms with respect to earth ground.

Micro Motion mass flowmeter system connection for Intrinsically safe operation

Electronics: SAFETY BARRIER

EB-20003013 Rev. A
SHT 1 OF 1

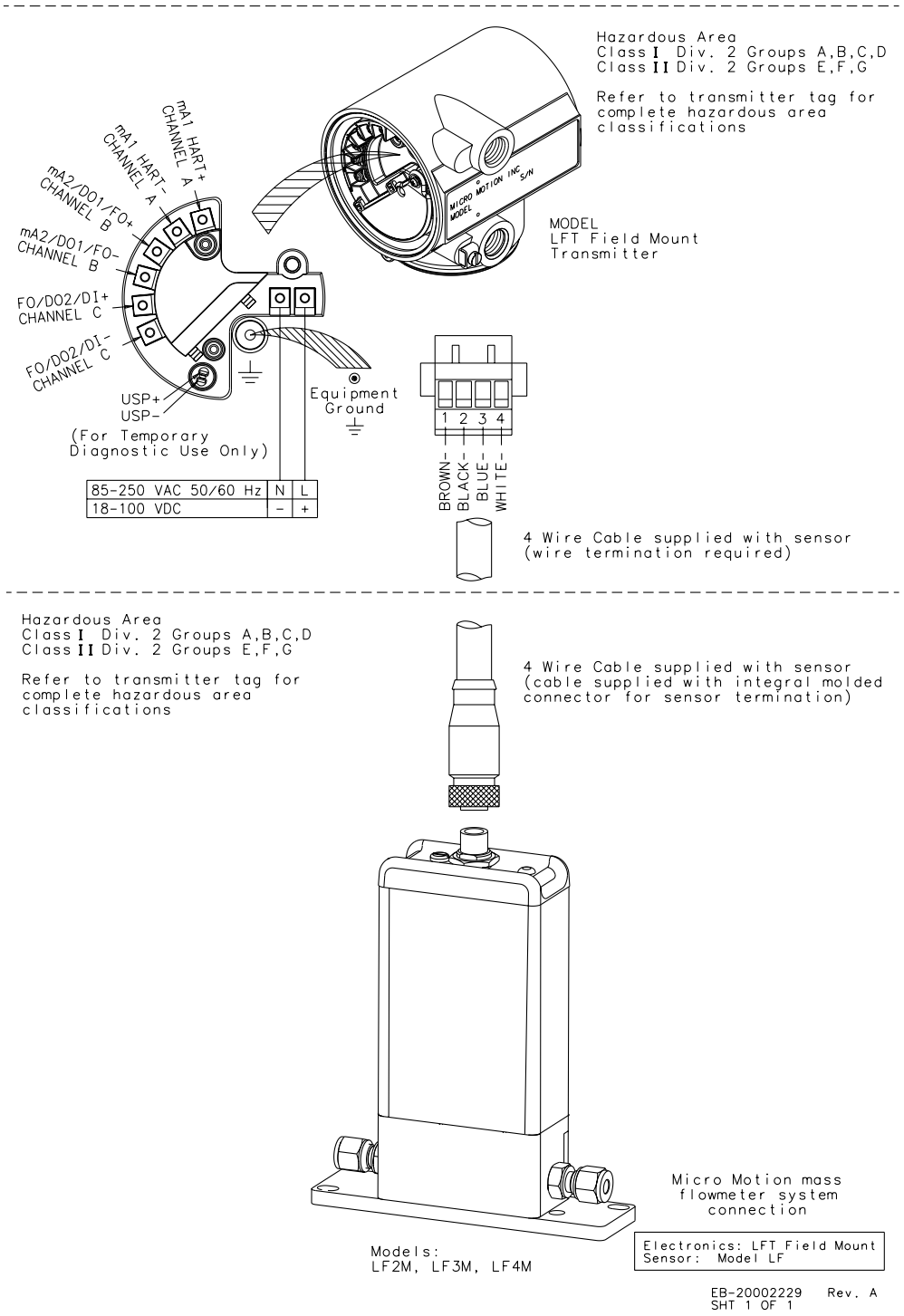
# 12 LFT 4-wire to LF sensor installation

**Table 12-1: List of drawings**

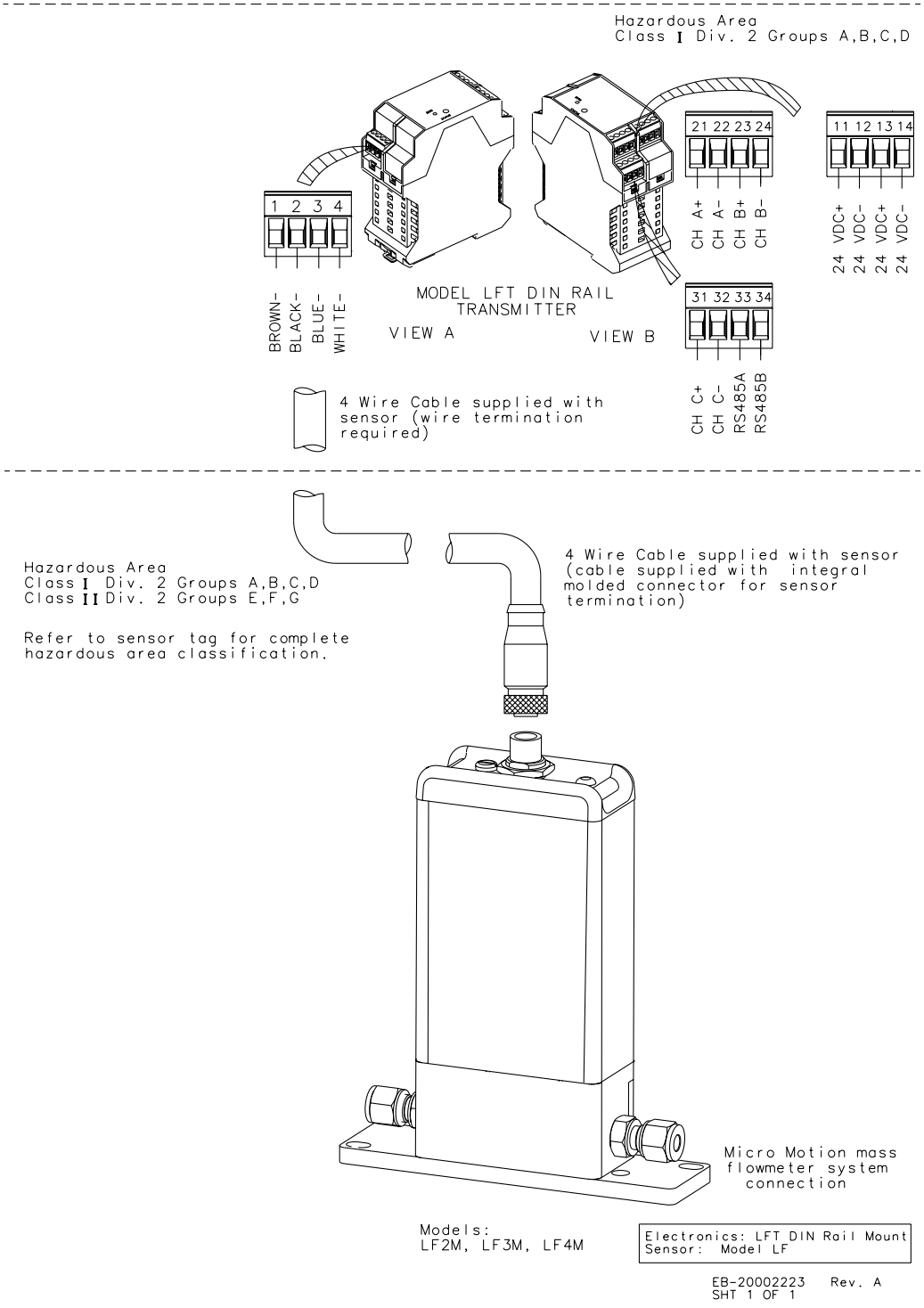
| Installation | Drawing |
|---|---|
| Remote LFT CIO with LF sensor | EB-20002229, Revision A |
| Remote LFT on DIN rail with LF sensor | EB-20002223, Revision A |
| Remote LFT FOUNDATION fieldbus with LF sensor | EB-20002226, Revision A |
| Remote LFT mA Output/Frequency Output with LF sensor | EB-20002227, Revision A |
| Remote LFT Profibus-PA with LF sensor | EB-20002225, Revision A |

# 12.1 Remote LFT CIO with LF sensor

This drawing describes a remote LFT 4-wire configurable inputs and outputs transmitter mounted to an LF sensor.

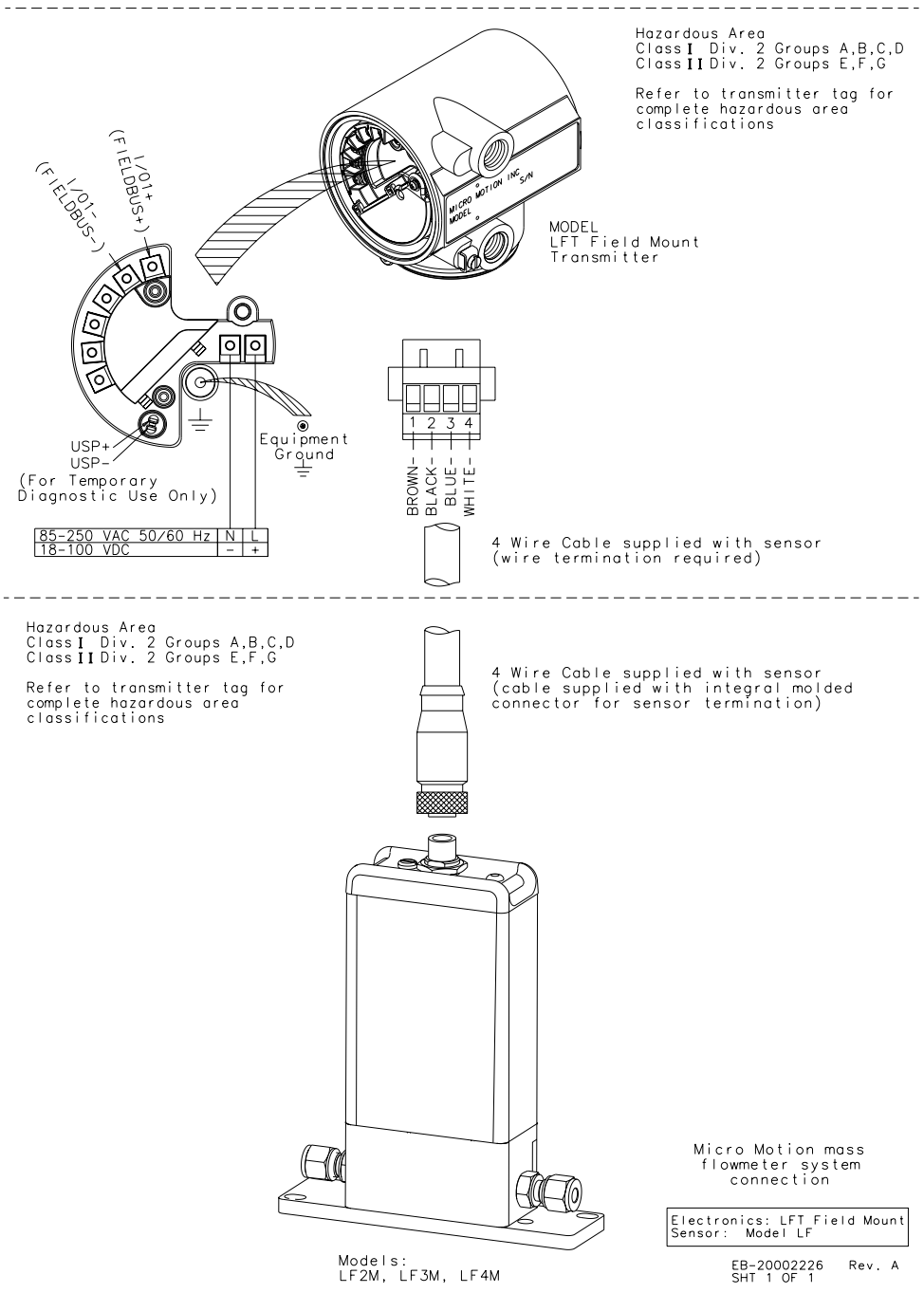


# 12.2 Remote LFT on DIN rail with LF sensor

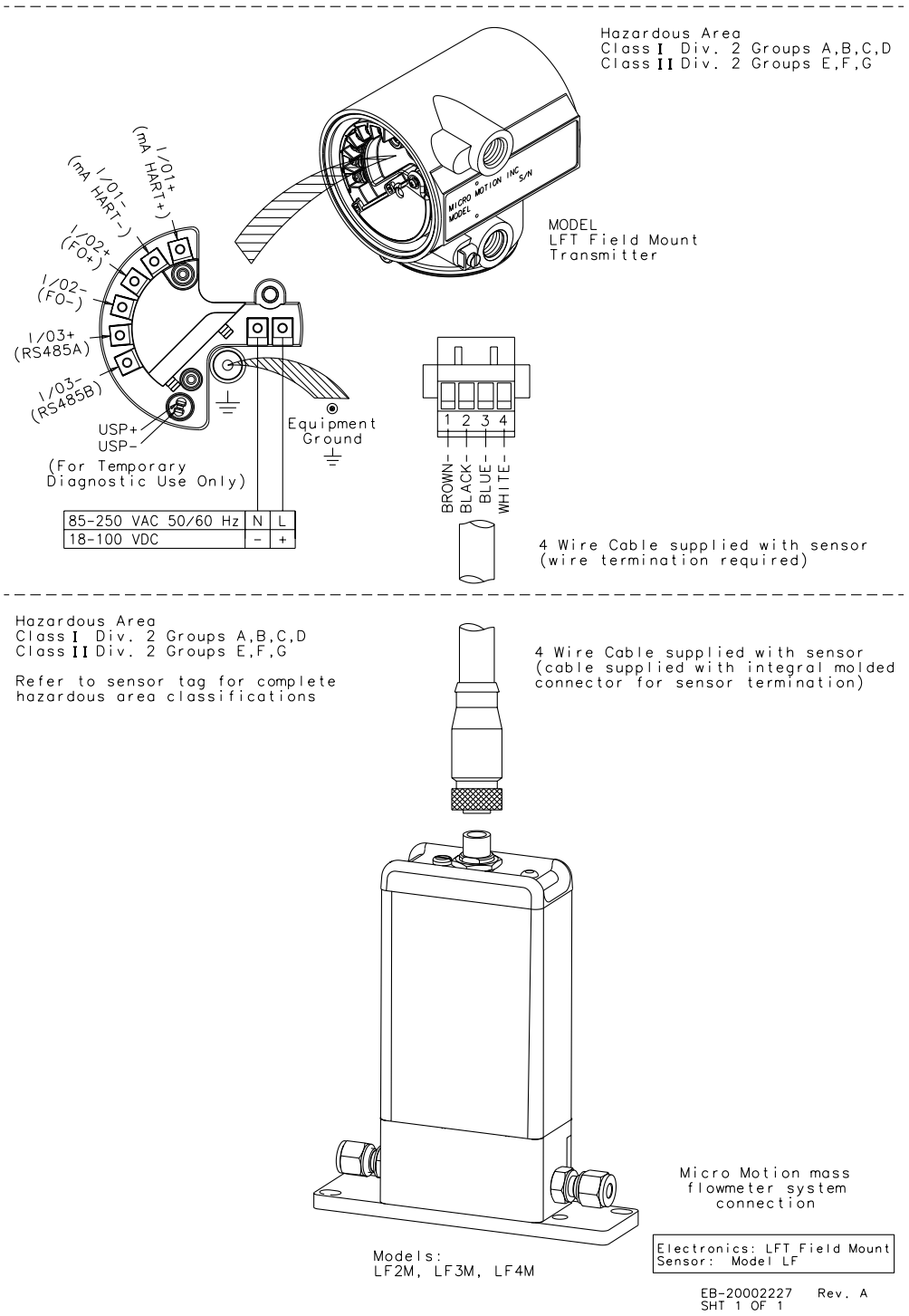


# 12.3 Remote LFT FOUNDATION fieldbus with LF sensor

This drawing describes a remote LFT 4-wire FOUNDATION fieldbus transmitter mounted to an LF sensor.

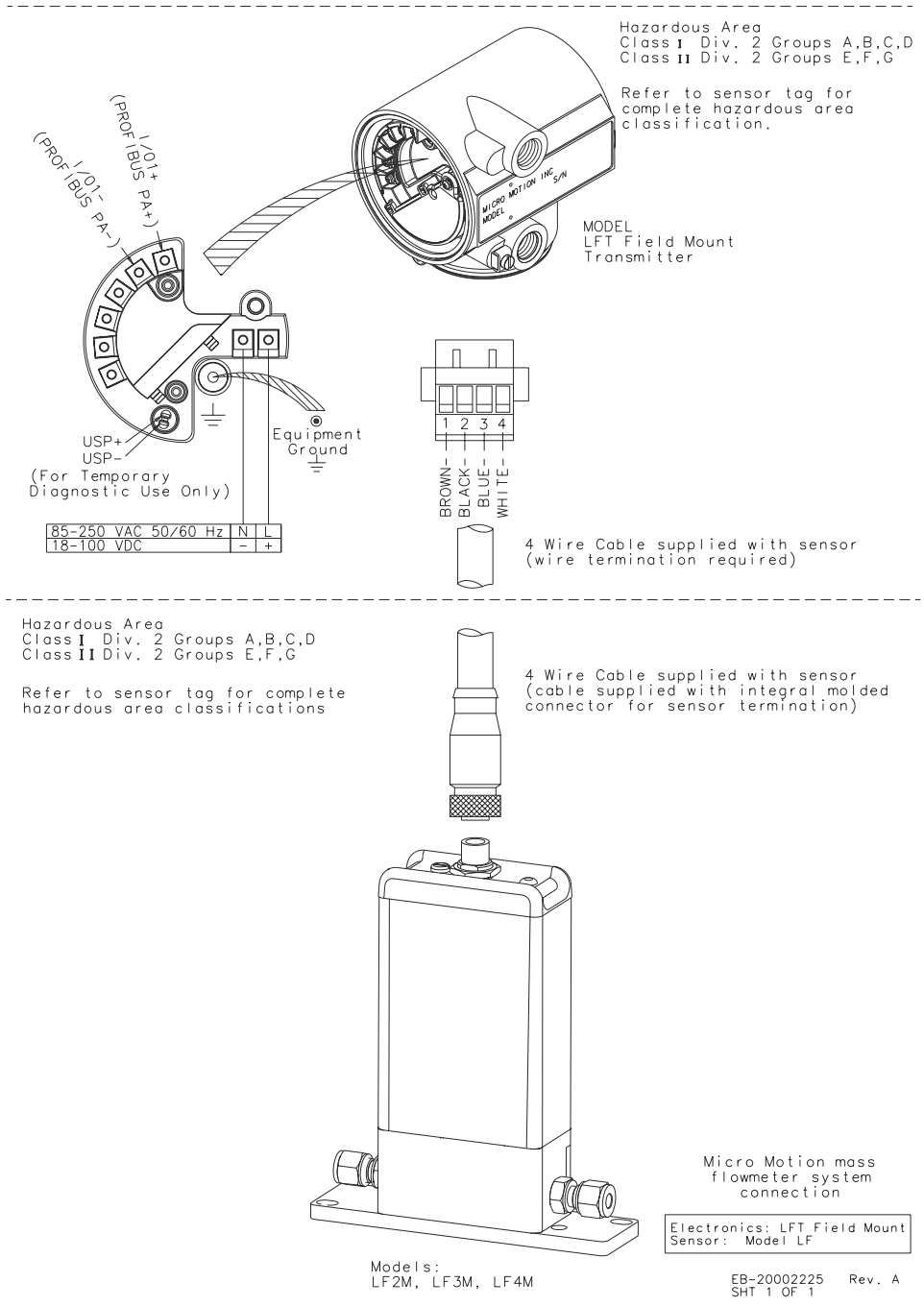


# 12.4 Remote LFT mA Output/Frequency Output with LF sensor



# 12.5 Remote LFT Profibus-PA with LF sensor

This drawing describes a remote LFT 4-wire Profibus-PA transmitter mounted to an LF sensor.



# A List of drawings

**Table A-1: List of Drawings**

| Drawing name | Location |
|---|---|
| EB-10005117, Revision B | 1700/2700 with integral core processor and D600 sensor |
| EB-1005084, Revision B | Booster amplifier with core processor and D600 sensor |
| EB-1005085, Revision B | Booster amplifier with junction box and D600 sensor |
| EB-1005119, Revision B | 1700/2700 with remote core processor and D600 sensor |
| EB-20000206, Revision B | 3700 with remote core processor and D600 sensor |
| EB-20000215, Revision B | 3700 with remote core processor and DT sensor |
| EB-20000224, Revision B | 3700 4-wire with core processor and CMF, F, H, R, CNF, or T sensors |
| EB-20000229, Revision BA | 3500 with remote core processor and CMF400 sensor with booster amplifier |
| EB-20000232, Revision B | 3500 with remote core processor and D600 sensor |
| EB-20000241, Revision B | 3500 with remote core processor and DT sensor |
| EB-20000244, Revision B | 3500 4-wire with core processor and CMF400 sensor with booster amplifier |
| EB-20000247, Revision B | 3500 4-wire with core processor and D600 sensor |
| EB-20000250, Revision B | 3500 4-wire with core processor and CMF, F, H, R, CNG, or T sensors |
| EB-20001051, Revision C | 3500 with remote core processor and CMF, D, DL, H, or T sensors |
| EB-20001053, Revision C | 3700 with remote core processor and CMF, D, DL, F, H, or T sensors |
| EB-20001058, Revision, C | 1700/2700 with integral core processor and CMF, F, H, T, D, or DL sensors |
| EB-20001060, Revision, BA | 1700/2700 with remote core processor and CMF, F, T, D, or DL sensors |
| EB-20001218, Revision A | 1500/2500 4-wire with core processor and D600 sensor |
| EB-20001219, Revision A | 1500/2500 4-wire with core processor and CMF400 sensor with booster amplifier |
| EB-20001220, Revision A | 1500/2500 4-wire core processor to CMF, F, H, R, CNG, or T sensors |
| EB-20001221 Revision B | 1500/2500 with remote core processor and CMF, D, DL, F, H, or T sensors |
| EB-20001222, Revision A | 1500/2500 with core processor and D600 sensor |
| EB-20001223, Revision A | 1500/2500 with remote core processor and CMF400 sensor with booster amplifier |
| EB-20001225, Revision A | 1500/2500 with core processor and DT sensor |
| EB-2000203, Revision B | 3700 with remote core processor and CMF400 sensor with booster amplifier |

**Table A-1: List of Drawings *(continued)***

| Drawing name | Location |
|---|---|
| EB-2000218, Revision B | 3700 4-wire with core processor and CMF400 sensor with booster amplifier |
| EB-2000221, Revision B | 3700 4-wire with core processor and D600 sensor |
| EB-20002223, Revision A | Remote LFT on DIN rail with LF sensor |
| EB-20002225, Revision A | Remote LFT Profibus-PA with LF sensor |
| EB-20002226, Revision A | Remote LFT FOUNDATION fieldbus with LF sensor |
| EB-20002227, Revision A | Remote LFT mA Output/Frequency Output with LF sensor |
| EB-20002229, Revision A | Remote LFT CIO with LF sensor |
| EB-20003009, Revision A | 1500/2500 4-wire with enhanced core processor and sensor |
| EB-20003010, Revision A | 1700/2700 4-wire with enhanced core processor and sensor |
| EB-20003011, Revision A | 3500 4-wire with enhanced core processor and sensor |
| EB-20003012, Revision A | 3700 4-wire with enhanced core processor and sensor |
| EB-20003013, Revision A | Enhanced core processor to direct host through a safety barrier |
| EB-20003427, Revision A | 800 Enhanced core processor |
| EB-20007552, Revision B | 1700/2700 fieldbus (FISCO) |
| EB-20011794, Revision A | 2750 configurable inputs and outputs |
| EB-20011795, Revision A | 2750 4-wire with enhanced core processor and sensor |
| EB-20028175, Revision AA | 5700 CIO |
| EB-20028176, Revision AA | 5700 9-wire installation |
| EB-20028177, Revision AA | Remote 5700 4-wire with core processor |
| EB-20028178, Revision AA | Remote 5700 4-wire with remote core processor |
| EB-20030708, Revision AA | 5700 Ethernet |
| EB-20030711, Revision AA | 5700 fieldbus |
| EB-20030804, Revision AA | 5700 fieldbus (FISCO) |
| EB-20057521_AA | 4200 transmitters |
| EB-3005819, Revision C | 1700/2700 4-wire with core processor and CMF400 sensor with booster amplifier |
| EB-3006199, Revision C | 1700/2700 with integral core processor and CMF400 sensor with booster amplifier |
| EB-3007061, Revision B | 1700/2700 with remote core processor and CMF400 sensor with booster amplifier |
| EB-3600473, Revision DA | 1700/2700 Profibus-PA outputs |
| EB-3600476, Revision DA | 1700/2700 FOUNDATION™ fieldbus outputs |
| EB-3600479, Revision CA | 1700/2700 mA Outputs |
| EB-3600482, Revision BA | 1700/2700 4-wire with core processor and sensor |

**Table A-1: List of Drawings *(continued)***

| Drawing name | Location |
|---|---|
| EB-3600538, Revision B | 1700/2700 with integral core processor and DT sensor |
| EB-3600629, Revision D | 1700/2700 intrinsically safe outputs |
| EB-3600667, Revision B | 2700 configurable inputs and outputs |
| EB-3600674, Revision C | 1700/2700 with remote core processor and DT sensor |
| EB-3600799, Revision CA | Core processor to direct host through a safety barrier |

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