



Certificate of Compliance

Certificate: 2531731

Master Contract: 157123

Project: 2531731

Date Issued: August 27, 2012

Issued to: Precision Digital Corporation

89 October Hill Rd, Suite 5
Holliston, MA 01746-1378
USA
Attention: Scott Ewen

The products listed below are eligible to bear the CSA Mark shown



Marius Manastireanu

Issued by: Marius Manastireanu

PRODUCTS

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

Class I, Div. 1, Groups B, C, D; Class II, Div. 1, Groups E, F, G; Class III Div. 1:

Class 1 Zone 1 Ex d IIC; Zone 21 Ex tb IIIC T90°C:



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Model PD8-865-BCD-EE-FFFF Modbus Snooper Meters; power/input: see below;

-40 Deg. C < Tamb. < +60 Deg. C; Temperature Code T6;

-40 Deg. C < Tamb. < +65 Deg. C; Temperature Code T5;

Enclosure Type 4X & IP66 / IP68

Models Ratings

PD8-865 85-265 Vac, 50/60 Hz, 90-265 Vdc, 15 VA max or 12-24 Vac, 50/60 Hz, 12-36 Vdc, 10 VA max

Part number Code/Type reference

PD8-865 Modbus Snooper Meter

B Power

6 85-265 Vac, 90-265 Vdc

7 12-24 Vac, 12-36Vdc

C Display

R Red LED

D Output

2 2 Relays

5 2 Relays & Aout(s)

7 4 Relays & Aout(s)

EE Transmitter

06 4-20 mA output

16 4-20 mA output and 24 Vdc Transmitter

FFFF Cosmetic Modifications

XXXX Optional alphanumeric combination
to indicate a cosmetic variation, conduit entry configuration (1/2" NPT, 3/4" NPT, M20, M25) and firmware revisions



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Model PD8-154-BCD-E-FFFF and PD8-158-BCD-E-FFFF Alarm Annunciators; power/input: see below;

-40 Deg. C < Tamb. < +60 Deg. C; Temperature Code T6;

-40 Deg. C < Tamb. < +65 Deg. C; Temperature Code T5;

Enclosure Type 4X & IP66 / IP68

Models Ratings

PD8-154, 85-265 Vac, 50/60 Hz, 90-265 Vdc, 20 VA max, or 12-24 Vac, 50/60 Hz, 12-36 Vdc, 6 VA max

PD8-158

Part number Code/Type reference

PD8-154 4-Point Alarm Annunciator

PD8-158 8-Point Alarm Annunciator

B Power

6 85-265 Vac, 90-265 Vdc

7 12-24 Vac, 12-36 Vdc

C Display

R Red LED

D Output

2 2 Relays

E Transmitter

0 None

1 24 Vdc Transmitter

FFFF Cosmetic Modifications

XXXX Optional alphanumeric combination
to indicate a cosmetic variation, conduit entry configuration (1/2" NPT, 3/4" NPT, M20, M25) and firmware revisions



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Model PD8-6BBB-CDE-FFFF Process Meter and PD8-7BBB-CDE-FFF Temperature Meter; power/input: see below;

-40 Deg. C < Tamb. < +60 Deg. C; Temperature Code T6;

-40 Deg. C < Tamb. < +65 Deg. C; Temperature Code T5;

Enclosure Type 4X & IP66 / IP68

Models Ratings

PD8-6xxxx,

PD8-7xxxx 85-265 Vac, 50/60 Hz, 90-265 Vdc, 30 VA max or 12 or 24 Vdc, 15VA max

Part number Code/Type reference

PD8-6xxx Process (voltage, current and/or pulse)

PD8-7xxx Temperature (TC and RTD)

BBB Input configuration

xxx Input configurations (000-999)

C Power

6 85-265 Vac, 90-265 Vdc

7 12 or 24 Vdc (field selectable)

D Display

R Red LED

H High intensity red LED

E Output

0 None

1 Open collector(s)

2 2 Relays

3 Analog output(s)

4 4 Relays



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5 2 Relays & Aout(s)

6 6 Relays & Aout(s)

7 4 Relays & Aout(s)

8 8 Relays & Aout(s)

FFFF Cosmetic Modifications

XXXX Optional alphanumeric combination to indicate a cosmetic variation, conduit entry configuration (1/2" NPT, 3/4" NPT, M20, M25) and firmware revisions

Model PD8-765-BCD-EF-GGGG Temperature Meters; power/input: see below;

-40 Deg. C < Tamb. < +60 Deg. C; Temperature Code T6;

-40 Deg. C < Tamb. < +65 Deg. C; Temperature Code T5;

Enclosure Type 4X & IP66 / IP68

Models Ratings

PD8-765 -6(R,X)0-0

-6(R,X)2-0 85-265 Vac, 50/60 Hz, 90-265 Vdc, 8 VA max

PD8-765 -6(R,X)0-1

-6(R,X)2-1

-6(R,X)3-0

-6(R,X)3-1

-6(R,X)3-2 85-265 Vac, 50/60 Hz, 90-265 Vdc, 20 VA max

PD8-765 -7(R,X)0-0

-7(R,X)2-0

-7(R,X)3-0 12-24 Vac, 50/60 Hz, 12-36 Vdc, 20 VA max

Part number Code Type reference

PD8- 765 Temperature (TC and RTD) and Process (V and mA) Meter



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B Power

6 85-265 Vac, 90-265 Vdc

7 12-24 Vac, 12-36 Vdc

C Display

R Red LED

X Large 1.2" LED

D Output

0 None

2 2 Relays

3 Analog output(s)

5 2 Relays & Aout(s)

E Transmitter Power Supply

0 None

1 24 V

2 2 x 24 V

F Serial Communication

0 None

1 Modbus (if non-standard)

GGGG Cosmetic Modifications

XXXX Optional alphanumeric combination

to indicate a cosmetic variation, conduit entry configuration (1/2" NPT, 3/4" NPT, M20, M25) and firmware revisions

Notes:

- All power supplies below 36 V and all signal input circuits must be supplied from a Class 2 Certified power supply.
- Model number may be followed by up to an additional 4-digit alphanumeric combination in the form "-XXXX" to indicate a cosmetic variation, conduit entry configuration and firmware revisions.
- A seal is required within 18 inches of the enclosure, as part of the CSA Certified Enclosure



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APPLICABLE REQUIREMENTS

C22.2 No. 0-10	General Requirements – Canadian Electrical Code, Part II
C22.2 No. 25-1966	Enclosures for Use in Class II, Groups E, F and G Hazardous Locations
C22.2 No. 30-M1986	Explosion-Proof Enclosures for Use in Class I Hazardous Locations
CAN/CSA-C22.2 No. 94-M91	Special Purpose Enclosures
CAN/CSA C22.2 No. 14-2005	Industrial Control Equipment
CAN/CSA-C22.2 No. 60079-0:11	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
CAN/CSA-C22.2 No. 60079-1:11	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosures "d"
CAN/CSA-C22.2 No. 60079-31	Explosive atmospheres — Part 31: Equipment dust ignition protection by enclosure "t"
CAN/CSA-C22.2 No. 60529:05	Degrees of protection provided by enclosures (IP Code)

MARKINGS

Product markings shall be in accordance with the related standards. In addition, it shall be the responsibility of the manufacturer to provide additional markings on the product to comply with the requirements of the local regulatory authorities. For example, in Canada, any caution and warning markings must be provided in French and English.

Markings for the Model PD8 Series appear on the following CSA Accepted Adhesive Nameplates:

- Type ILS-320 manufactured by Industrial Labeling Systems, White Polyester
- Type ILS-324 manufactured by Industrial Labeling Systems Metalized Polyester
- Type T/C-329 manufactured by Royal Label, White or Silver Polyester with L-23 adhesive
- Type T/C-387 manufactured by Advanced Labelworx, Inc., White or Silver Polyester with L-23 adhesive
- Type Dataplate 668 manufactured by F.B. Johnston Group,

The following marking details appear:

- CSA Monogram as shown on the Certificate of Conformity
- Manufacturer's name "Precision Digital" or CSA Master Contract Number "157123", adjacent to the CSA Monogram in lieu of manufacturer's name
- Model designation: As specified in the PRODUCTS section, above.
- Date code and/or Serial number traceable to month of manufacture



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- Electrical Input rating, input in volts (where applicable), amps (where applicable) and watts.
- Hazardous location designations: As specified in the PRODUCTS section, above.
- Temperature code rating: As specified in the PRODUCTS section, above.
- Minimum and Maximum ambient temperature: As specified in the PRODUCTS section, above.
- Ingress Rating: As specified in the PRODUCTS section, above
- Special Purpose Enclosure Rating “Type 4” or “Type 4X”
- The statement: “Do not open when an explosive gas atmosphere is present” or equivalent
- The statement: “Install conduit seals within 18 in. (450 mm) of enclosure or within 2 in. (50 mm) for Zone Installations” or equivalent
- The statement: “Wiring in this compartment may reach 90°C in an ambient of 65°C” or equivalent
- The statement: “All input circuits must be derived from a Class 2 Certified power supply” or equivalent