



Certificate of Compliance

Certificate: 2488195

Master Contract: 253639 (253639)

Project: 70156913

Date Issued: 2017-11-17

Issued to: **CDI**
1801 N Juniper Ave
Broken Arrow, Oklahoma 74012
USA
Attention: Jim Dashner

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: *Madhumathi Kulothungan*
Madhumathi Kulothungan

PRODUCTS

CLASS - C225802 - PROCESS CONTROL EQUIPMENT-For Hazardous Locations-

CLASS - C225882 - PROCESS CONTROL EQUIPMENT-For Hazardous Locations - Certified to US Standards

Class I, Division 1, Groups C and D; T6, Tamb -50°C to +80°C

Class I, Division 1, Groups C and D; T6, Tamb -20°C to +54°C (Duracell PC1300 battery);
Class I, Division 1, Groups C and D; T6, Tamb -20°C to +65°C (Ansmann 5035362 battery);
Class I, Division 1, Groups C and D; T6, Tamb -50°C to +80°C (SAFT LS33600 battery);
Class I, Division 1, Groups C and D; T6, Tamb -40°C to +80°C (SAFT MP176065 battery);
Enclosure Type 3

Model: CD52 Bandit Pig Passage Detector (CD52 Bandit Pig Passage Signaler)

Input Ratings: 24Vdc; 0.028A (28mA); 0.67Watts

24Vdc; 0.065A (65mA); 1.6 Watts – 4-20mA Output Option

1.5Vdc; 0.0018A (1.8mA); 0.0027Watts – Battery PC1300

1.2V; 0.0024A (2.4mA); 0.0029 Watts – Battery NiMH 5035362

3.6V; 0.0006A (0.6mA); 0.0022 Watts – Battery Li LS33600

3.65V; 0.0005A (0.5mA); 0.0018 Watts – Battery Li MP176065



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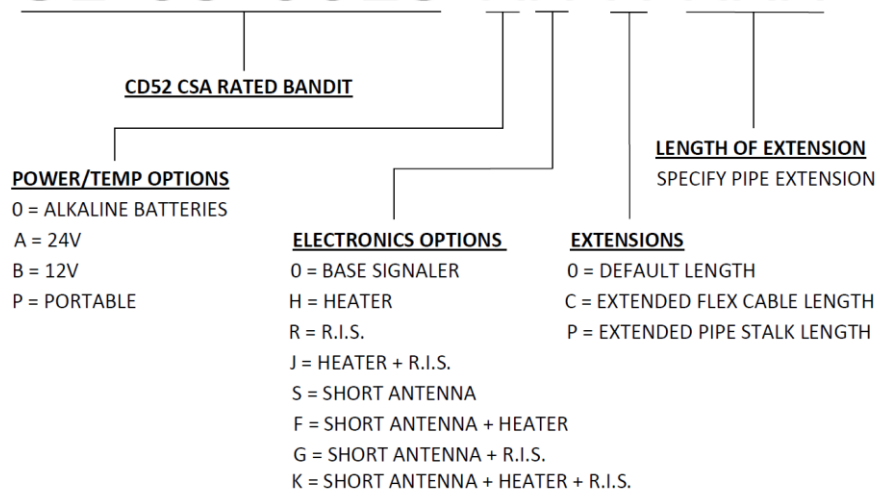
Date Issued:

Model Series:

The nomenclature for the model numbers is as below and covers all models:

CD52 CSA RATED BANDIT PART NUMBER DESCRIPTION

81-05-0025-XX-X-XXX



Conditions of Certification:

1.) The cable shall be effectively clamped as close as possible to the CMP TMC2X**cable glands.

APPLICABLE REQUIREMENTS

CSA Standard C22.2 No. 0-10	-	General Requirements – Canadian Electrical Code, Part II
CSA Standard C22.2 No. 0.4-04	-	Bonding of Electrical Equipment (Protective Grounding)
CSA Standard C22.2 No. 94-M1991	-	Special Purpose Enclosures
CSA Standard C22.2 No. 142-M1987	-	Process Control Equipment
CSA Standard C22.2 No. 30-M1986	-	Explosion-Proof Enclosures for Use in Class I Hazardous Locations
ANSI/UL Standard 50 Edition 11	-	Enclosures for Electrical Equipment
UL 508, 17 th Ed.	-	Industrial Control Equipment
UL 1203, 5 th Edition	-	Explosion-Proof and Dust Ignition Proof Electrical Equipment for Use in Hazardous (Classified) Locations

MARKINGS

For details on markings, refer to CSA report 2488195.



Supplement to Certificate of Compliance

Certificate:

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The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
70156913	2017-11-17	Update to report 2597288 to include the following modifications, 1. Addition of three new batteries Ansmann 5035362, SAFT LS33600 and SAFT MP 176065 with expansion in the ambient temperature range based on the manufacturer's datasheet. Also expansion of ambient range for the already existing battery Duracell PC1300. 2. Revision of drawing no. CSA-81-05-0025-S (Rev K to L) based on modification 1.