



Canadian Standards
Association

OnSpeX

CSA
International

Certificate of Compliance

Certificate: 1384174

Master Contract: 209463

Project: 2612571

Date Issued: March 20, 2013

Issued to: **Futuredesign Controls**
7524 West 98th Place
Bridgeview, IL 60455
USA
Attention: Mr. James Conway

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



Issued by:
Nancy Stafrace

PRODUCTS

CLASS 4813 02 TEMPERATURE-INDICATING AND REGULATING EQUIPMENT Other Than Appliance Type

- Temperature controllers, Models FDC-4120, -4130, -8120, -8130, and -2220, followed by 3 or 4, followed by 1 through 5, followed by 1 through 8, followed by 1 through 3 and all these suffixes are to denote different certified input signals and output ratings only and therefore do not change the electrical characteristic of the Controllers. Control Input: 12-30V dc; 12-36V ac 50/60Hz or 90-264V ac 50/60Hz, nominal 5VA. Sensor rated at Class 2. Ambient temperature 50°C relay contact rated 240V ac 3.0 Amp resistive maximum.
- Temperature Controller Model FDC-9090 series, input 80-260, 50/60 Hz, output relay contacts: (RY2). 3.0 A, 240 V max. resistive, 200 VA, 120/240 Vac pilot duty; (RY1), 2A, 240 Vac resistive, 100 VA, 120/240Vac pilot duty, ambient 50C max., followed by 1 through 5, followed by 1 through 8, followed by 1 through 3 and all these suffixes are to denote different certified input signals and output ratings only and therefore do not change the electrical characteristics of the Controllers.
- Temperature controllers, Models FDC-9300 and FDC-2500 input rated at 11-26V dc; 11-26V ac, 50/60Hz or 90-264V ac, 50/60Hz, nominal 5VA. Sensor rated at Class 2. Ambient temperature 50°C relay contact rated 240V ac, 3.0A resistive max. Duty Cycle: 12 seconds per cycle. The model number could be followed by 4 or 5, followed by 1, followed 0 through 6 or C, followed by 0 through 9 or C, followed by 0 through 2, followed by 0 through 5, followed by AA - ZZ or blank and all these suffixes are to denote different Certified input signals and output ratings only and therefore do not change the electrical characteristic of the Controllers.

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- Temperature controllers, Models FDC-4300 or FDC-8300 followed by 4 or 5, followed by 1, followed by 0 through 6 or C, followed by 0 through 9 or C, followed by 0 through 2, followed by 0 through 1, followed by 0 through 5, followed by 0, 1 or blank, followed by AA - ZZ or blank, and all these suffixes are to denote different Certified input signals and output ratings only and therefore do not change the electrical characteristic of the Controllers with control inputs rated 11-26V dc; 11-26V ac, 47/63Hz or 90-264V ac, 47/63Hz, nominal rated 15VA. Sensor rated at Class 2. Ambient temperature 50 deg C, relay contact rated 240V ac, 3.0A resistive maximum.
- Limit controllers, Model FDC-L91, followed by 4 or 5, followed by 1 through 4, followed by 1, 2, 6 or C, followed by 0 through 2, 6 through 9 or A through F, followed by AA - ZZ or blank and all these suffixes are to denote different Certified input signals and output ratings only and therefore do not change the electrical characteristic of the Controllers and the controller 11-26V dc; 11-26V ac, 47/63Hz or 90-264V ac, 47/63Hz, nominal L91, 10VA. Sensor rated at Class 2. Ambient temperature 50 deg C, relay contact rated 240V ac, 3.0A resistive maximum. Duty cycle: 12 seconds per cycle.
- Paperless Temperature Recorder, Models FDC-VR18, and FDC-VR06, followed by AA - ZZ or blank. Control Input: 11-18V dc, 18-36V dc or 90-250V ac, 47-63Hz, 60VA maximum. Sensor rated at Class 2. Ambient temperature 50 deg C relay contact rated 240V ac, 3.0A resistive maximum. Duty cycle: 12 seconds per cycle.
- Temperature controllers, Models FDC-4100, followed by 4 or 5, followed by 1 through 8, followed by 0 through C, followed by 0 through C, followed by 0 or 1, followed by 0 through 5, followed by 0 or 1, followed by AA - ZZ or blank and all these suffixes are to denote different Certified input signals and output ratings only and therefore do not change the electrical characteristic of the Controllers.
- Temperature controllers, Models FDC-8100, followed by 4 or 5, followed by 1 through 8, followed by 0 through C, followed by 0 through C, followed by 0 or 1, followed by 0 through 5, followed by 0 or 1, followed by AA - ZZ or blank and all these suffixes are to denote different Certified input signals and output ratings only and therefore do not change the electrical characteristic of the Controllers.
- Temperature controllers, Models FDC-7100, followed by 4 or 5, followed by 1 through 8, followed by 0 through C, followed by 0 through C, followed by 0 or 1, followed by 0, 1, 3, 4 and 5, followed by 0 or 1, followed by AA - ZZ or blank and all these suffixes are to denote different Certified input signals and output ratings only and therefore do not change the electrical characteristic of the Controllers.
- Temperature controllers, Models FDC-9100, followed by 4 or 5, followed by 1 through 8, followed by 0 through C, followed by 0 through C, followed by 0 or 1, followed by 0 through 5, followed by 0 through 3, followed by AA - ZZ or blank and all these suffixes are to denote different Certified input signals and output ratings only and therefore do not change the electrical characteristic of the Controllers.
- Temperature controllers, Models FDC-C91, followed by 4 or 5, followed by 1 through 8, followed by 0 through C, followed by 0 through F, followed by 0 or 1, followed by 0 or 1, followed by AA - ZZ or blank and all these suffixes are to denote different Certified input signals and output ratings only and therefore do not change the electrical characteristic of the Controllers.
- Temperature controllers, Models FDC-C21, followed by 4 or 5, followed by 1 through 8, followed by 0 through C, followed by 0 through C, followed by 0 through 5, followed by 0 or 1, followed by AA - ZZ or blank and all these suffixes are to denote different Certified input signals and output ratings only and therefore do not change the electrical characteristic of the Controllers.

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- Temperature controllers, Model FDC-B41 , followed by 4 or 5, followed by 1 through 8, followed by 0 through C, followed by 0 or 1 , followed by 0 through 5, followed by 0 or 3, followed by AA - ZZ or blank and all these suffixes are to denote different certified input signals and output ratings only and therefore do not change the electrical characteristic of the Controllers.
- Temperature controllers, Models FDC-P91, followed by 4 or 5, followed by 1 through 8, followed by 0 through C, followed by 0 through C , followed by 0 or 1 , followed by 0 through 5, followed by 0 through 3, followed by AA - ZZ or blank and all these suffixes are to denote different certified input signals and output ratings only and therefore do not change the electrical characteristic of the Controllers.
- Profiling controllers, Model FDC-P41 , followed by 4 or 5, followed by 1 or 6 , followed by 0 – 4, 6, or C , followed by 0 – 4, 6, or C , followed by 0 through 9 or C , followed by 0 – 4, 6, or C , followed by 0 through 4, followed by AA - ZZ or blank and all these suffixes are to denote different certified input signals and output ratings only and therefore do not change the electrical characteristic of the Controllers
- Limit controllers, Model FDC-L41, followed by 4 or 5, followed by 1 to 5 , followed by 0 - 2, 6 or C followed by 0 - 2, 6 - 9 or C , followed by 0 to 5 , followed by 0 or 1, followed by AA - ZZ or blank and all these suffixes are to denote different certified input signals and output ratings only and therefore do not change the electrical characteristic of the Controllers.
- Temperature controllers, Model B42 , followed by 4 or 5; followed by 1 , 5, 6, or 9; followed by 0 through 4, 6, C or 9, followed by 0 through 4 or 6 through 8 or A or C or 9; followed by 0, 1, 2 or 6 through 8 or A or C or 9; followed by 0 through 4 or 6 through 8 or A or C or 9; followed by 0, 3, 4, 7, 8 or A or D or E ; followed by 0, 3 or 4, followed by AA-ZZ or blank and all these suffixes are to denote different certified input signals and output ratings only and therefore do not change the electrical characteristic of the Controllers. Rated 11-26V dc; 11-26V ac, 47/63Hz or 90-264V ac, 47/63Hz, 12 VA (5 watts).

APPLICABLE REQUIREMENTS

CSA Std C22.2 No. 24-93 - Temperature-Indicating and -Regulating Equipment

MARKINGS

The CSA Mark, the company name, and/or tradename/ or identification/ or file number 209463, model designation, and any 'Cautions' or other information as specified in the Certification Report.