



Control Drawing 041715 Rev C

Approved by: Amanda Wilkins

Date: August 17, 2015

Ratings:

Class I, Division 2, Groups A, B, C, D T4

Class I, Zone 2, AEx/Ex nA IIC T4 Gc

Thermocouple scanner models AXTC20, AXTC20-01, AXTC20-02, AXTC20-04, AXTC20-06, AXTC20-07, AXTC20-08, AXTC20CO, AXTC20CO-01, AXTC20CO-02, AM171000, 1100357, 234-1644, 741219, 741220 and 63.03.002-20 are rated for 24Vdc, 100 mA, Temperature: -40°C to + 85°C.

Special Condition of Use:

1. The equipment shall be installed in an additional enclosure providing a degree of protection of not less than IP54 according to IEC 60079-0. The enclosure shall have a minimum service temperature range of -40°C to + 91°C.
2. End users must provide overcurrent protection rated at max 3A.
3. Power supply shall provide the transient protection at a level not exceeding 140% of the peak rated voltage.
4. Power input and output (I/O) wiring shall be accordance with Class 1, Division 2/Zone 2 wiring method per the Canadian Electrical Code (CEC) for installation in Canada, or as specified in the National Electrical Code (NFPA 70) for installation within U.S.
5. Final acceptance of this equipment when installed is subject to the jurisdiction of the local inspection authority.
6. End user must use Deutsch mating plugs for connection with the receptacles of models:

Supply Receptacle	Mating Plug
DT13-08PA	DT06-8S

Thermocouple Receptacle	Mating Receptacle
DRC13-40PA	DRC16-40S, DRC18-40S, DRC16-40SA, DRC18-40SA

- WARNING - EXPLOSION HAZARD – SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS I, DIVISION 2;  
AVERTISSEMENT - RISQUE D'EXPLOSION – LA SUBSTITUTION DE COMPOSANTS PEUT RENDRE CE MATERIEL INACCEPTABLE POUR LES EMPLACEMENTS DE CLASSE I, DIVISION 2;  
WARNING - EXPLOSION HAZARD - DO NOT DISCONNECT WHILE CIRCUIT IS LIVE UNLESS AREA IS KNOWN TO BE NON-HAZARDOUS.  
AVERTISSEMENT - RISQUE D'EXPLOSION. NE PAS DEBRANCHER TANT QUE LE CIRCUIT EST SOUS TENSION, A MOINS QU'IL NE S'AGISSE D'UN EMPLACEMENT NON DANGEREUX.

**Axiomatic Technologies Corporation**

5915 Wallace Street, Mississauga, Ontario Canada L4Z 1Z8

TEL: +1 (905) 602-9270 FAX: +1 (905) 602-9279 E-mail: [sales@axiomatic.com](mailto:sales@axiomatic.com)

[www.axiomatic.com](http://www.axiomatic.com)