



Control Drawing 041715 Rev D

Approved by: Amanda Wilkins

Date: June 2, 2017

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 + 70°C.

It should be installed as follows for safe use.

1. The equipment must be supplied by a Class 2 source or a limited energy source. In case of using a battery as a power supply, it is assumed that the battery is ELV, therefore, an overcurrent protection downstream of the battery rated less than 8.3A is required.
2. Power supply shall provide the transient protection at a level not exceeding 140% of the peak rated voltage.
3. The equipment is to be housed in an end-use enclosure acceptable to the authority having jurisdiction and 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.
4. Additional insulation is required for thermocouples connected to LIVE parts.
5. End user must use Deutsch mating plugs for connection with the receptacles of models as listed below.

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

www.axiomatic.com