MOORE INDUSTRIES

DO NOT SCALE DRAWING

TOLERANCES (UNLESS NOTED)			
DECIMALS	=±inch	/mm	
.X	=±.1	/2.54	
.XX	=±.01	/0.25	
.XXX	=±.005	/0.125	
HOLES	=±.003	/0.080	
ANGLES	=±1/2°		

DRAWN	C. Whan	1/06
CHECKED	CAM	1/06
ENGINEER	O.Denton	1/06
SCALE	NONE	

CATEGORY: CONTROL DRAWING

TITLE: **TG200 SERIES INSTALLATION DIAGRAM cFMus**

DRAWING NUMBER	REVISION
TG200-FM	C

REVISED BY	DATE	BY	APPROVAL
ECO 17314	6-23 2014	CW	CB

Non-Classified Area

Host connection (typical)

[3] Fieldbus Power Conditioner. Fusing is recommended.

Normal operating condition: 25.45Vdc, 1.5A

Power input must be Class 2 or SELV rated supply

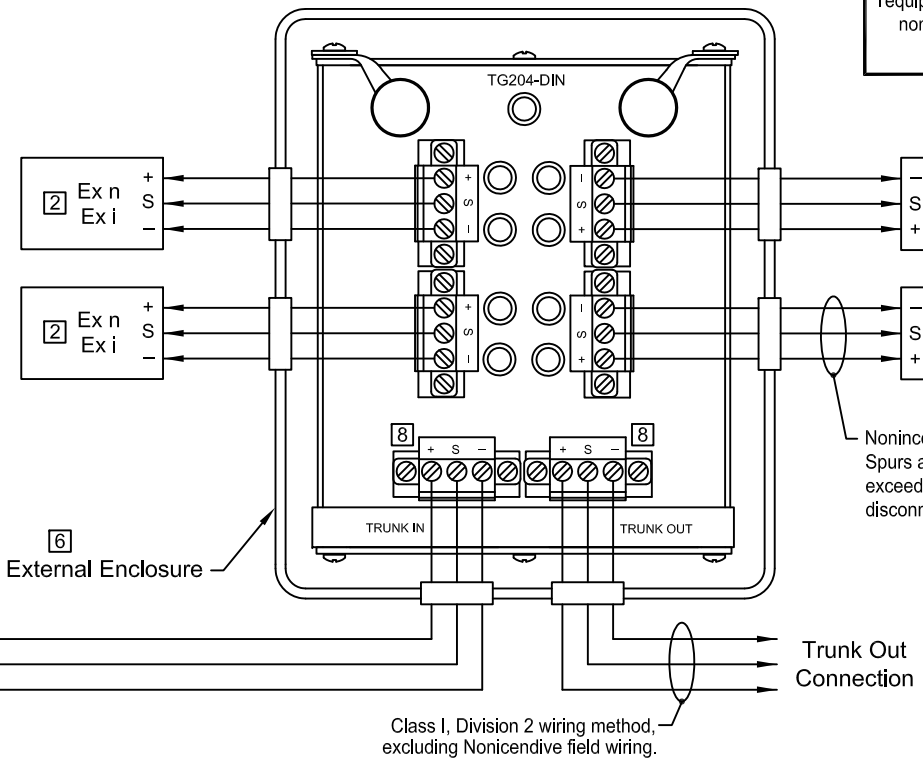
Class I, Division 2 wiring method, excluding Nonicendive field wiring.

Hazardous Area / Explosive Atmosphere

Class I, DIvision 2, Groups A, B, C & D
-40°C < Ta < +70°C

WARNING: Explosion Hazard. Do not disconnect equipment unless power has been switched off or the area is known to be non-hazardous. Substitution of components may impair suitability for Class I, Division 2.

AVERTISSEMENT: Risque d'explosion. Avant de déconnecter l'equipement, couper le courant ou s'assurer que l'emplacement est désigné non dangereux. La substitution de composants peut rendre ce matériel inacceptable pour les emplacements de Classe I, Division 2.



Fieldbus Device: Any FM (Entity) Approved Apparatus for Class I, Division 2, Nonincendive or Class I, Division 1, Intrinsically-Safe.

Only 1 device may be connected per spur, using shielded single twisted pairs only, either as single shielded cables or within a multicore where each pair is shielded.

Nonincendive field wiring connections: Spurs are nonincendive if cable parameters are not exceeded. Nonincendive spurs may be disconnected and reconnected under power.

Spur Connection (+ S -) Entity Parameters	
Uo = 25.45Vdc, max.	Co = 10nF
Io = 50mA	Lo = 3.4mH
Must use +95°C suitable wiring	

9. The output of the associated apparatus is non-linear.
8. Trunk In/Out terminals must have covers replaced before power is applied in Harazardous Area.
7. Division 2 wiring method must be installed as per the NEC.
6. The TG200-DIN shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.
5. Installation in the U.S. shall be in accordance with the National Electrical Code (ANSI/NFPA 70). Installation in Canada should be in accordance with the latest edition of the C22.1 Canadian Electrical Code, Part 1.
4. The Nonincendive Field Wiring Circuit concept allows interconnection of Nonincendive apparatus with associated Nonincendive apparatus not specifically examined in combination as a system when: Vmax or Ui > Voc, Vt or Uo; Ca > Ci + Ccable; La > Li + Lcable.
3. Any Fieldbus associated apparatus power supply meeting entity requirements. The associated apparatus manufacturer's installation drawing must be followed when installing the equipment.
2. The Nonicendive or Intrinsically Safe Apparatus must be FM approved. Device maximum rated voltage and current must not be exceeded.
1. No revision to this drawing may be made without prior FM approval.

Installation Notes:

Installation may only be carried out by suitably trained personnel and in accordance with national wiring regulations or codes of practice.

Where English is not a language of the Country in which the equipment is being used, please apply to Moore Industries International, Inc. (MII) for a suitable translation.

Certified Product

This is a controlled 'Related' or 'Schedule' drawing. No modifications are permitted without the notification and final approval of the Certification Engineer (related dwgs.) or the Certifying Agency (schedule dwgs.)