

NOTES:

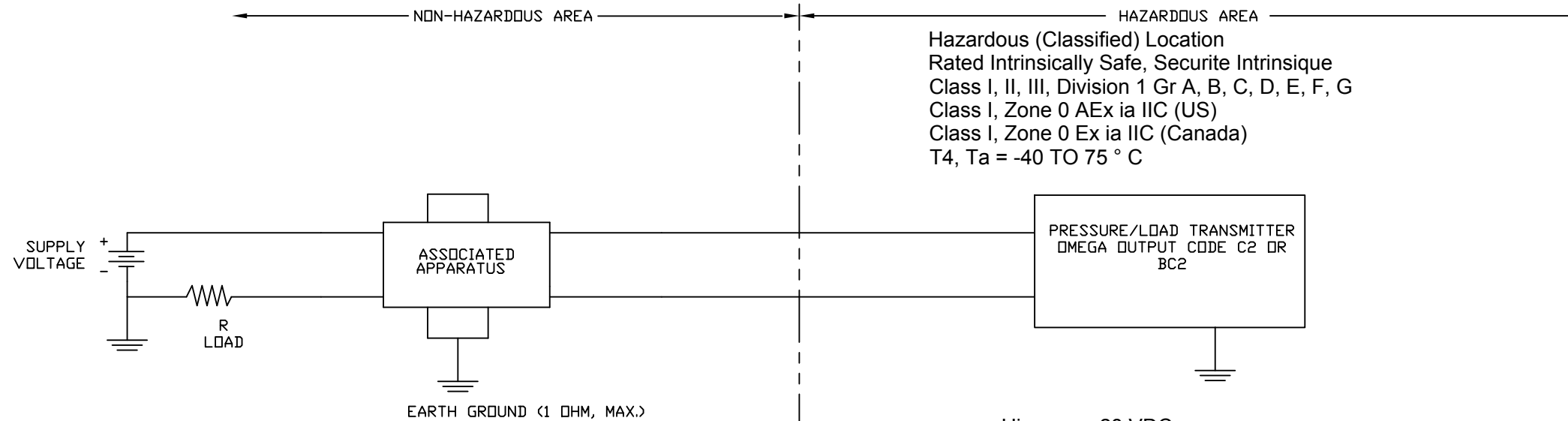
- Barrier must be NRTL approved and installed in accordance with manufacturer's instructions.
- Class I, Division 1, Class 1, Zone 0 wiring practices permitted by the NEC (NFPA 70) AND CEC part 1(C22.1).
- Maximum Safe Area Voltage = 250 V.
- Install using wire rated at least 5 Deg C greater than maximum ambient temperature.

5. SPECIAL CONDITION OF USE

The ingress protection of all customer-supplied connectors must match the requirements of the site where the transmitter is to be installed. If hosedown cleaning is required the connector hardware must be rated IPx5; alternately, if dust protection is required, IP6x are required. Lower levels of ingress protection may cause a reduction in classification for the entire transmitter, and the customer's process control engineer must properly account for this.

The equipment may present a risk of electrostatic sparking. Cleaning should only be performed with a damp cloth.

REVISIONS						
LTR	ECN	DESCRIPTION	DATE	DR	CHK	ENG
-	XXXX	INITIAL RELEASE	1/16/2013	SV	RM	SV
A	6749	FPR REVISIONS SEE SHEET 2	7/18/13	SV	RM	SV
B	6904	FPR REVISIONS SEE SHEET 2	10/15/2014	SV	RM	SV
C	7140	UPDATED TO OMEGA TITLE BLOCK WAS "C" SIZE CHANGED SERVICE TEMPERATURE TO 75 WAS 80	3/4/2015	RM	KM	SV



Hazardous (Classified) Location
 Rated Intrinsically Safe, Securite Intrinsique
 Class I, II, III, Division 1 Gr A, B, C, D, E, F, G
 Class I, Zone 0 AEx ia IIC (US)
 Class I, Zone 0 Ex ia IIC (Canada)
 T4, Ta = -40 TO 75 ° C

Voc or Vt ≤ 28 VDC
 Isc or It ≤ 110 mA
 Pmax ≤ 0.77 W
 Co ≥ 48 nF + Ccable
 Lo ≥ 0 uH + Lcable

Ui = 28 VDC
 li = 110 mA
 Pi = 0.77 W
 Ci = 48 nF (Not Including integral cable)
 Li = 0 uH (Not including integral cable)
 Ta = 75 C, Temp Class T4 (Applicable to US, Class I, II, III and Canada, Class I)

Transmitter with intergal cable use the following cable parameters.

Ccable = 60pf /ft
 Lcable = 0.2 uH/ft

Transmitters provide isolation from earth of up to 500v rms.

Associated apparatus and nonincendive associated field wiring apparatus parameters	Conditions that must be satisfied	Intrinsically safe and nonincendive field wiring apparatus parameters
V _{oc} or U _o I _{sc} or I _o P _o C _a or C _o L _a or L _o L _a /R _a OR L _o /R _o OR CANADIAN CERTIFIED (AS APPLICABLE)	≤ ≤ ≤ ≥ ≥ ≥	V _{MAX} or U _i I _{MAX} or I _i P _i C _i L _i L _i /R _i

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SIMILAR P/N:
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TOLERANCES	63/ MAX.	USED ON
DEC.XX±.01	FRAC±1/64	DR S VICARS 1/16/13
.XXX±.005	ANG ±1°	CHK R MILLER 2/27/13
REMOVE BURRS, BREAK EDGES		APPD S VICARS 05/1/16/13
ALL DIMENSIONS IN INCHES		CAGE CODE: 09AL6
MATERIAL:	N/A	PROJECTION
HEAT TREAT:	N/A	A012841 REV. C



INSTALLATION DWG FOR FM APPROVED PRESSURE/LOAD TRANSMITTERS

SIZE B	ITEM NO.	DOC NO. A031432	REV C
SCALE: NONE		SHEET 1 OF 2	