

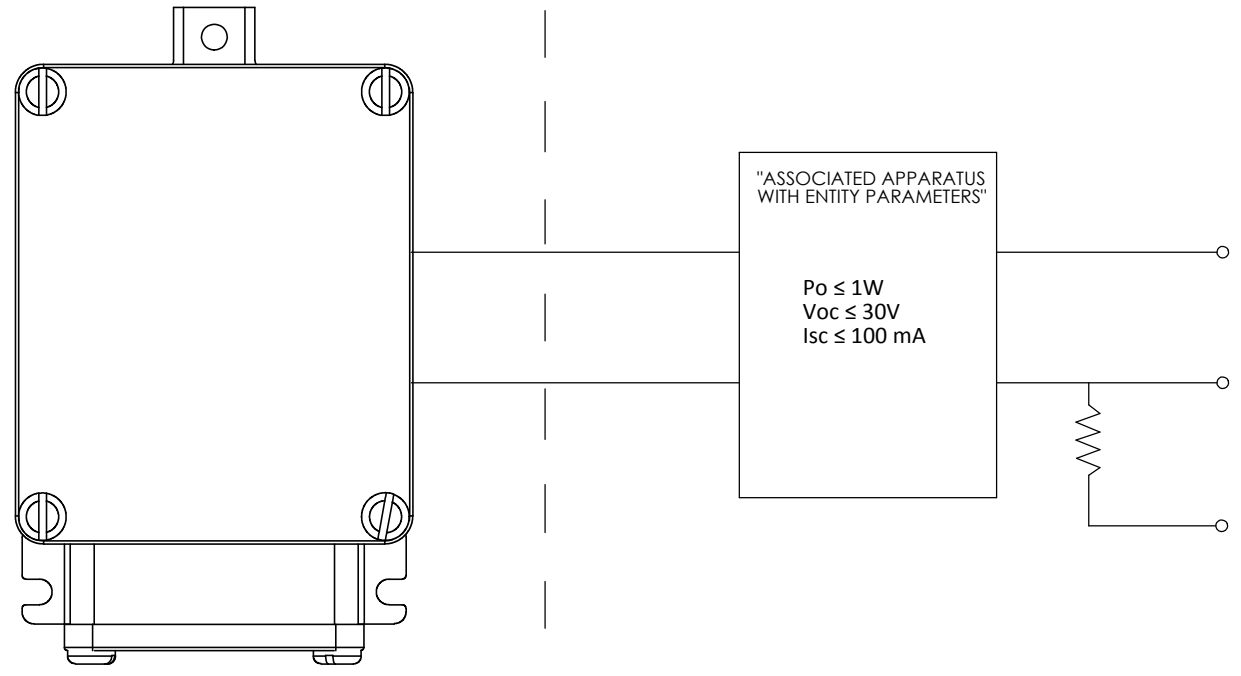
Item	Qty	Part No	Description	Material	Finish	Used On



DWYER INSTRUMENTS, INC.
MICHIGAN CITY, INDIANA 46360

HAZARDOUS (CLASSIFIED) LOCATION

NON-HAZARDOUS (UNCLASSIFIED) LOCATION



NOTE-1
MAX SAFE AREA VOLTAGE NOT TO EXCEED 250 VRMS OR VDC.

NOTE -2
THE NONINCENDIVE FIELD WIRING CONCEPT ALLOWS THE INTERCONNECTION OF NONINCENDING FIELD WIRING APPARATUS WITH ASSOCIATED NONINCENDIVE FIELD APPARATUS USING ANY OF THE WIRING METHODS PERMITTED FOR NON-HAZARDOUS (UNCLASSIFIED) LOCATIONS WHEN: U_o OR $V_{oc} \leq V_{max}$, I_o OR $I_t \leq I_{max}$, C_a OR $C_o + C_{cable}$, L_a OR $L_o \geq L_i + L_{cable}$, $P_o \leq P_i$.

NOTE-3
NO REVISION WITHOUT PRIOR FACTORY MUTUAL APPROVAL.

NOTE-4 INTRINSIC SAFETY BARRIERS MUST BE FACTORY MUTUAL APPROVED IN THIS CONFIGURATION.

NOTE-5 (ENTITY CONCEPT DEFINITION)

THE ENTITY CONCEPT ALLOWS INTERCONNECTION OF INTRINSICALLY SAFE APPARATUS WITH ASSOCIATED APPARATUS WHEN THE FOLLOWING IS TRUE:

- V_{max} or $U_i \geq V_{oc}$, V_t or U_o ;
- I_{max} or $I_i \geq I_{sc}$, I_t or I_o ;
- P_{max} or $P_i \geq P_o$;
- $C_a \geq C_i + C_{cable}$;
- $L_a \geq L_i + L_{cable}$.

NOTE-6
CONNECT PER ANSI/ISA RP 12.6.

NOTE-7
FOR DIVISION 1 INSTALLATIONS, THE CONFIGURATION OF ASSOCIATED APPARATUS SHALL BE FM APPROVED UNDER ENTITY CONCEPT.

NOTE-8
FOR DIVISION 2 INSTALLATIONS USING NONINCENDIVE FIELD WIRING CONCEPTS, THE ASSOCIATED APPARATUS SHALL BE FM APPROVED UNDER THE ENTITY CONCEPT OR NONINCENDIVE FIELD WIRING CONCEPT.

NOTE-9 WARNING - DO NOT OPEN WHEN ENERGIZED.

NOTE-10 WARNING - DO NOT DISCONNECT EQUIPMENT UNLESS AREA IS KNOWN TO BE NON-HAZARDOUS.

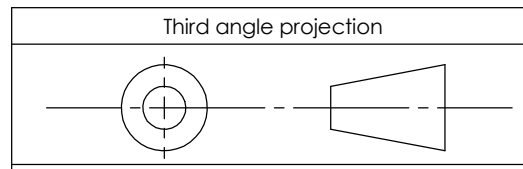
NOTE-11 WARNING - SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR HAZARDOUS (CLASSIFIED) LOCATIONS.

IS / I,II,III / 1 / ABCDEFG / T4 @ Ta=40°C max; Entity;
NI / I,II,III / 2 / ABCDEFG / T4 @ Ta=40°C max; NIFW;

Entity Parameters / Non-Incendive Field Wiring Parameter;
 $V_{max}=30V_{dc}$, $I_{max}=100mA$, $P_{max}=1W$, $C_i=50nF$, $L_i=0uH$

DWYER INSTRUMENTS, INC.
MICHIGAN CITY, INDIANA, USA

CONTROLLED DOCUMENT	
No changes permitted without prior approval by:	
AGENCY:	FILE/CERT#
CSA	N/A
FM	2V5A0AX



DIMENSIONAL TOLERANCES UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
3 PLACE DECIMAL: .000 ±.007
2 PLACE DECIMAL: .00 ±.015
1 PLACE DECIMAL: .0 ±.030
ANGLE: ±1 deg
CHAMFER: ±5 deg

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DO NOT SCALE DRAWING

SCHEMATIC DIAGRAM
Type 608 Transmitter

R1-124326-50

SIZE	DWG. NO.	REV.
B	71B319	B

SCALE: NONE SHEET 1 OF 1

Rev	ECO	DESCRIPTION	BY	DATE
B	ECO-6354	REDRAWN IN SOLIDWORKS. MODIFIED NOTES. REMOVED SHEET2 & ADDED AGENCY CONTROLLED DOC #	KK	3/10/2014
A	ECO-1774	DRAWING RELEASE	JAD	5/4/2005

CAD GENERATED DRAWING. DO NOT MANUALLY UPDATE	
DRAWN BY	DATE
K. Kavgaci	03-10-2014