NOTES:

1. ALL NATIONAL AND LOCAL CODES AND REGULATIONS MUST BE ADHERED TO WHEN INSTALLING THE LEVEL SENSOR IN HAZARDOUS ENVIRONMENTS. FOR ZONE INSTALLATIONS, A SEAL SHALL BE INSTALLED WITHIN 50mm OF THE ENCLOSURE. FOR DIVISION INSTALLATIONS, A SEAL SHALL BE INSTALLED WITHIN 18 INCHES OF THE ENCLOSURE.

2. DUAL-CAVITY ENCLOSURES:
   - CUSTOMER CONNECTIONS WILL BE MADE AT TERMINAL BLOCK ON POWER SIDE OF HOUSING (NOT TO TERMINAL BLOCK ON INTERCONNECT BOARD). SEE FIGURE 2 ON PAGE 2
   - CAUTION: FLEXIBLE GAUGES HAVE A MINIMUM BEND RADIUS OF 381mm (15"
   - WARNING: TO PREVENT IGNITION OF FLAMMABLE OR COMBUSTIBLE ATMOSPHERES, DISCONNECT POWER BEFORE SERVICING
   - WARNING: THE EQUIPMENT CONTAINS NON-METALLIC ENCLOSURE AND PROCESS PARTS, TO PREVENT THE RISK OF ELECTROSTATIC SPARKING. THE NON-METALLIC SURFACE AND PROCESS PARTS SHOULD ONLY BE CLEANED WITH A DAMP CLOTH. PAINTED SURFACE OF THE EQUIPMENT MAY STORE ELECTROSTATIC CHARGE AND BECOME A SOURCE OF IGNITION IN APPLICATIONS WITH A LOW RELATIVE HUMIDITY <=30% RELATIVE HUMIDITY WHERE THE PAINTED SURFACE IS RELATIVELY FREE OF SURFACE CONTAMINATION SUCH AS DIRT, DUST OR OIL. CLEANSING OF THE PAINTED SURFACE SHOULD ONLY BE DONE WITH A DAMP CLOTH.
   - CABLES SHALL BE RATED >5C ABOVE MAXIMUM AMBIENT TEMPERATURE.
   - TO MAINTAIN THE INGRESS PROTECTION RATING OF IP65, TEFLON TAPE (3 WRAPS) OR PIPE DOPE SHALL BE USED. REFER TO INSTALLATION INSTRUCTIONS.
   - THE EQUIPMENT CAN BE INSTALLED IN THE BOUNDARY WALL BETWEEN A ZONE 0 AREA AND THE LESS HAZARDOUS AREA. ZONE 1. IN THIS CONFIGURATION, THE PROCESS CONNECTION IS INSTALLED IN A ZONE 0 AREA, WHILE THE TRANSMITTER HOUSING IS INSTALLED IN A ZONE 1 AREA.
   - THE APPLICABLE TEMPERATURE CLASS OF THE EQUIPMENT. AMBIENT TEMPERATURE RANGE, AND MAXIMUM PROCESS TEMPERATURE OF THE EQUIPMENT IS AS FOLLOWS;
     - T3 WITH PROCESS TEMPERATURE RANGE OF -40°C TO +150°C
     - T4 WITH PROCESS TEMPERATURE RANGE OF -40°C TO +135°C
     - T5 WITH PROCESS TEMPERATURE RANGE OF -40°C TO +100°C
     - T6 WITH PROCESS TEMPERATURE RANGE OF -40°C TO +85°C
     - AMBIENT TEMPERATURE RANGE >-40°C; TC = +171°C

10. WHEN MOUNTING ON A MAGNETIC LEVEL GAUGE MAKE SURE THE ELECTRONIC HEAD AND PRESSURE BARRIER HAVE A MINIMUM SPACING OF 5 INCHES. SEE INSTALLATION MANUAL FOR DETAIL
11. FLAMEPATHS ARE NOT FOR REPAIR

SINGLE OR DUAL CAVITY

CONDUIT SEAL

CONDUIT SEAL

SEE NOTE 1

SEE NOTE 1

SEE NOTE 1

SEE NOTE 8

ZONE 1

ZONE 0

5" [127mm] Minimum

ZONE 1

ZONE 0

HAZARDOUS LOCATION

NON HAZARDOUS LOCATION

CONDUIT SEAL

EARTH GROUND LUG

NOTE 3

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5145
65153-11

FM US- FM18US0274X

AGENCY CONTROLLED DRAWING (US). NO CHANGES WITHOUT PRIOR AGENCY APPROVAL

EXPLOSION PROOF

CL. I, DIV. 1, GR. A,B,C,D,T3

CL. I, DIV. 1, GR. B,C,D,T3

CL. I, ZN. 0/I, AEx db IIB T6...T3 Gb/G

Ta = -40°C to +71°C ; IP65
FIGURE 1
SINGLE CAVITY HOUSING

FIGURE 2
DUAL CAVITY HOUSING

NOTES:
1. THE CUSTOMER SHOULD CONNECT THE OUTSIDE GROUND LUG TO THE SAFETY EARTHING GROUND SYSTEM
WARNING:
FOR ZONE INSTALLATIONS, A SEAL SHALL BE INSTALLED WITHIN 15mm OF THE ENCLOSURE. FOR DIVISION INSTALLATIONS, A SEAL SHALL BE INSTALLED WITHIN 18 INCHES OF THE ENCLOSURE.