1.0 NOTES:

1.1 IN ORDER TO COMPLY WITH CERTIFICATION FOR POTENTIALLY EXPLOSIVE ATMOSPHERES, THOSE ITEMS LISTED MUST BE USED ONLY AS SHOWN.

1.2 WARNING - EXPLOSION HAZARD - SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS 1, ZONE 2, IIB.

1.3 WARNING - EXPLOSION HAZARD - DO NOT USE CONNECTOR(S) UNLESS THE AREA IS KNOWN TO BE NON-HAZARDOUS.

1.4 WIRING BY FIELD PERSONNEL.

1.5 CUSTOMER SUPPLIED EQUIPMENT MUST NOT USE OR GENERATE MORE THAN 250V WITH RESPECT TO GROUND.

1.6 CUSTOMER SUPPLIED EQUIPMENT MUST BE CERTIFIED FOR USE IN THE CLASSIFIED HAZARDOUS LOCATION IN WHICH IT IS INSTALLED.

1.7 CUSTOMER SUPPLIED EQUIPMENT MUST BE INSTALLED ACCORDING TO THE MANUFACTURERS INSTALLATION INSTRUCTIONS AND LOCAL AND NATIONAL ELECTRICAL CODES.

1.8 RADIO SPECIFICATION:
CUSTOMER SUPPLIED RADIO MUST BE IECEx CERTIFIED FOR USE IN A POTENTIALLY EXPLOSIVE ATMOSPHERE. APPLICABLE STANDARDS ARE: IEC 60079-0 AND IEC 60079-15. RADIO RATINGS MUST BE Ex nA (IIB, IIC) (T6, T5, T4), TAMBI=-40°C ≤ TA ≤ 60°C. RADIO INPUT POWER: 10.5VDC TO 16VDC, 2A MAX. RADIO MUST BE INSTALLED IN PRODUCT BY FACTORY PRIOR TO SHIPMENT TO CUSTOMER.

1.9 DC POWER SUPPLIES PROVIDING CHARGE CURRENT MUST BE LIMITED TO 15VDC 30W MAXIMUM.

1.10 ALL CONDUIT FITTINGS/CABLE GLANDS USED FOR INSTALLATION MUST BE SUITABLE TO MAINTAIN IP54 ENVIRONMENTAL PROTECTION RATING FOR COMPLETED INSTALLATION.

1.11 WARNING - EXPLOSION HAZARD - ELECTROSTATIC CHARGING HAZARD. AVOID BUILD UP OF ELECTROSTATIC CHARGES UPON KEYPAD AND DISPLAY WINDOW DURING MAINTENANCE OR CLEAN UP. CLEAN WITH WET CLOTH ONLY.

END PRODUCT APPROVED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES.
NO CHANGES ALLOWED WITHOUT APPROVAL OF AUTHORIZED PERSON(S) IDENTIFIED BY DRAWING 2101982-AI.
2.1 6210 ENCLOSURE
  2.1.1 2100997-001 ENCL W/2102975-002 STD DOOR (HOFFMAN)

2.2 6213, 6270 ENCLOSURE
  2.2.1 2100919-001 ENCL W/2101771-003 STD DOOR (HOFFMAN)
  2.2.2 2104452-001 ENCL W/2101771-005, -007 STD DOOR (HOFFMAN)

2.3 6410, 6411 ENCLOSURE
  2.3.1 2102989-003 ENCL W/2102975-002 STD DOOR (HOFFMAN)
  2.3.2 2102989-003 ENCL W/2103062-002 KEYPAD DOOR (HOFFMAN)

2.4 6413, 6414, 6470, 6490 ENCLOSURE
  2.4.1 2103068-001 ENCL W/2101771-003 STD DOOR (HOFFMAN)
  2.4.2 2103068-001 ENCL W/2101751-003 KEYPAD DOOR (HOFFMAN)

2.5 6713, 6714, 6770, 6790 ENCLOSURE
  2.5.1 2102976-003 ENCL W/2102977-002 STD DOOR (HOFFMAN)
  2.5.2 2102976-003 ENCL W/2102978-002 KEYPAD DOOR (HOFFMAN)

2.6 6890 ENCLOSURE
  2.6.1 2100462-004 ENCL W/2100463-004 STD DOOR (HOFFMAN)
  2.6.2 2100462-004 ENCL W/2100463-005 KEYPAD DOOR (HOFFMAN)
ELECTRONIC BOARD OPTIONS

3.1 XFC PCBA ASSY
   3.1.1 2102838-002 XFC-G4 MOTHER BD W/2102427-001 OR 2103639-001,-002 EC 2410 PROCESSOR CARD
   3.1.2 2100024-004 CB195 PCBA

3.2 XRC PCBA ASSY
   3.2.1 2103022-002 XRC-G4 MOTHER BD W/2102427-001 OR 2103639-001,-002 EC 2410 PROCESSOR CARD
   3.2.2 2100355-003 RTU CB195 PCBA

3.3 UFL G4 PCBA ASSY
   3.3.1 2104356-001 UFL G4 IMV PCBA W/2102427-001 OR 2103639-001,-002 EC 2410 PROCESSOR CARD
   3.3.2 2104939-001 AM335X G5 UFL PCBA

KEYPAD OPTION

43.1 2100498-002 PROGRAMMED KEYPAD ASSEMBLY

MAN/MACHINE INTERFACE OPTION

90.1 USB TYPE A CONN (1802999-001) W/CAP (1803005-001)
90.2 USB TYPE B CONN (1803001-001) W/CAP (1803005-001)
90.3 ETHERNET, CAT 5E CONN (1803071-001) W/CAP (1803005-001)

HAZARDOUS AREA
CLASS I, ZONE 2, II B
OR
NON-HAZARDOUS AREA
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<td>2100767-004</td>
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<td>2102924-001</td>
<td>XIMV DUAL RANGE PCBA</td>
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<td>AMU PCBA (S &amp; F)</td>
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<td>RAW SENSOR BUFFERED SW. RTD REF PCBA</td>
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<td>2102127-XXX</td>
<td>XDCR DP/AP OPTIMIZED ABB MINDEN T2000M</td>
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<td>XDCR DP LIQUID FOXBORO IAMV W/BSHG</td>
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<td>100 PSIA SENSYM ICT 1234-L889-100, DRUCK PDCR 1000-8277-100</td>
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<td>1500 PSIA DRUCK PDCR 1000-8277-1500</td>
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<td>2000 PSIA DRUCK PDCR 1000-8277-2000</td>
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<td>3500 PSIA DRUCK PDCR 1000-8277-3500</td>
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RTD PROBE OPTION

11.1 WITHOUT RTD
11.2 2011905-001 THRU -005 & -001 THRU -016 RTD PROBE, SST ARMOR, 50FT MAX
11.3 2011905-021 THRU -026 RTD PROBE, SST MESH, 50FT MAX

HAZARDOUS AREA
CLASS I, ZONE 2, II B
HAZARDOUS AREA
CLASS I, ZONE 1, II B
OR
NON-HAZARDOUS AREA
COMMUNICATIONS MOUNTING AND OPTIONS

MODELS 6213, 6410, 6411, 6413, 6414, 6713, 6714, 6490, 6790, 6890

IMV PCBA

COMM TERM

J3
9.4
TB1

OR

UFLO BD

J10

XRC PCBA

J6A
3.2.1
3.2.2

J6B

J4B

4.1.1

CUSTOMER SUPPLIED EQUIPMENT

ANTENNA (PER RADIO MANUFACTURER)

BOUNDARY SEAL

CONDUIT OR APPROVED CABLE

RADIO W/SURGE & ANTENNA OPTION

NON-HAZARDOUS AREA

HAZARDOUS AREA

HAZARDOUS AREA

CLASS I, ZONE 1, II B

OR

CLASS I, ZONE 2, II B

RADIO OPTION 1

RADIO OPTION 2

SUPPLIED RADIO W/SURGE & ANTENNA OPTION

CUSTOMER EQUIPMENT

SUPPLIED RADIO W/SURGE & ANTENNA OPTION

CUSTOMER EQUIPMENT

RADIO OPTION 1

RADIO OPTION 2

SUPPLIED RADIO W/SURGE & ANTENNA OPTION

CUSTOMER EQUIPMENT

RADIO OPTION 1

RADIO OPTION 2
LEVELMASTER PTR SWITCH OPTION

25.1 WITHOUT OPTION
25.2 LEVELMASTER PTR SWITCH, NORMALLY OPEN (2100238-XXX)

MODEL 6410, 6411, 6413, 6414, 6713, 6714, 6490, 6790, 6890

- XFC PCBA
  - 3.1.1
  - 3.1.2
  - J6
  - LEVELMASTER PTR SWITCH
    - 25.2

OR

- XRC PCBA
  - 3.2.1
  - 3.2.2
  - JB
  - LEVELMASTER PTR SWITCH
    - 25.2

MODEL 6210, 6213

- UFL0 BD
  - 3.3.1
  - 3.3.2
  - J12
  - LEVELMASTER PTR SWITCH
    - 25.2

HAZARDOUS AREA CLASS I, ZONE 2, II B
HAZARDOUS AREA CLASS I, ZONE 1, II B
OR
NON-HAZARDOUS AREA
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| I/O MODULE POSITIONS 1 OR UP TO 3 (FOR 6413, 6414, 6490) |
| 29 | THRU | 31 |

| I/O MODULE POSITIONS 1 OR UP TO 6 (FOR 6713, 6714, 6790) |
| 29 | THRU | 34 |

| I/O MODULE POSITIONS 1 OR UP TO 14 (FOR 6890) |
| 29 | THRU | 42 |

HAZARDOUS AREA
CLASS I, ZONE 2, II B

HAZARDOUS AREA
CLASS I, ZONE 1, II B

CLASS I, ZONE 2, II B

NON-HAZARDOUS AREA