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REVISION					
LTR	ECO	DESCRIPTION	BY	DATE	CHECKED/APPROVED
C	LQD10350	SEE ECO	CH	3-2-2011	JP/CC
D	LQD11427	CHANGED OPTION CODES, SEE ECO	DC	5-4-2016	MP/DC
E	LQD11651	REVERT TO REV C OPTION CODES, UPDATE AGENCY BLOCK	DC	2-28-2017	MP/BR

D

C

B

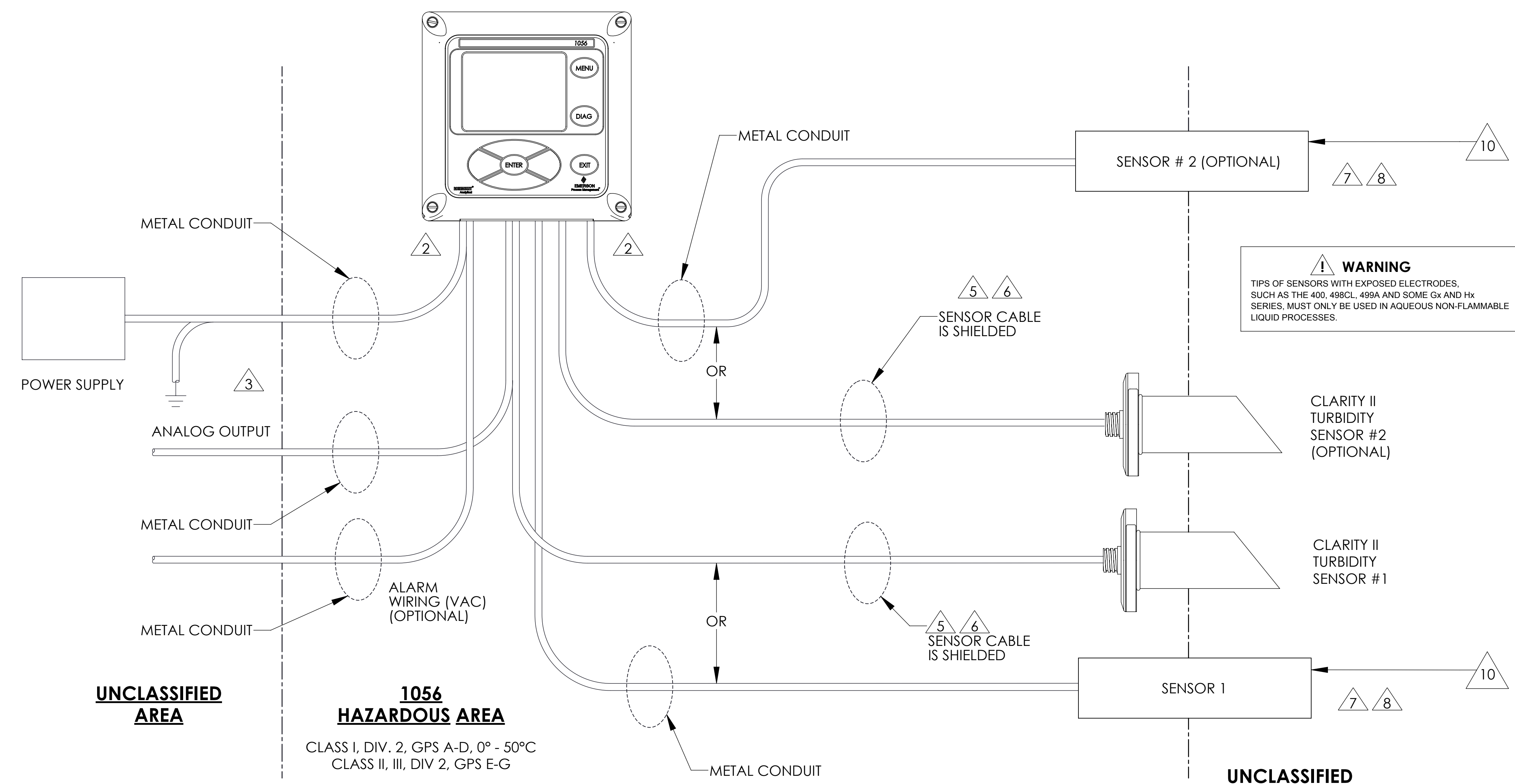
A

1400324

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B

A



WARNING
TIPS OF SENSORS WITH EXPOSED ELECTRODES, SUCH AS THE 400, 498CL, 499A AND SOME Gx AND Hx SERIES, MUST ONLY BE USED IN AQUEOUS NON-FLAMMABLE LIQUID PROCESSES.

AGENCY CONTROLLED DRAWING
ANY CHANGE WILL REQUIRE
CERTIFICATION AGENCY
SUBMITTAL / APPROVAL

- 10. IF A CURRENT LOOP INPUT IS USED WITH CURRENT/FLOW OPTIONS (23/33), THE MAXIMUM ALLOWED VALUES OF THE INPUTS ARE: 28 VOLTS, 22mA AND 616mW AND THE POWER SOURCE MUST BE FM APPROVED FOR CLASS 1 DIVISION 2.
 - 9. WHEN INSTALLING IN CLASS II AND III LOCATIONS, USE A CLASS II AND III WIRING METHOD PER THE NEC; TO ENSURE THE ENCLOSURE REMAINS DUST TIGHT.
 - 8. MODEL 222, 225, 226, 228, 242 AND 245 TOROIDAL CONDUCTIVITY SENSORS HAVE BEEN APPROVED BY FM FOR USE WITH THE 1056. ORP SENSORS WITH APPROVED PREAMPS MAY BE USED IN 1056 CLASS I DIVISION 2 INSTALLATIONS. WHEN SELECTED WITH ORP AND PREAMP OPTIONS, THE 3500, 396, 389 AND THE 385 +04/06/07-12 ALL USE APPROVED PREAMP 23538-00. THE 385 +02-10/11/12 USES APPROVED PREAMP 23546-00. ORP SENSORS WITHOUT PREAMPS ARE SIMPLE APPARATUS.
 - 7. SENSORS WHICH ARE FM APPROVED FOR CLASS I DIVISION 2, OR ARE SIMPLE APPARATUS MAY BE USED WITH THE 1056. SIMPLE APPARATUS IS DEFINED AS AN ELECTRICAL DEVICE THAT DOES NOT GENERATE MORE THAN 1.5V, 100mA, AND 25 mW OR A PASSIVE COMPONENT THAT DOES NOT DISSIPATE MORE THAN 1.3W. CONTACTING CONDUCTIVITY SENSORS AND pH SENSORS WITHOUT PREAMPS MAY BE A SIMPLE APPARATUS, VERIFY THIS WITH THE SENSOR MANUFACTURER.
 - 6. THE EPA AND ISO CLARITY II TURBIDITY SENSORS ARE APPROVED FOR CLASS 1, DIVISION 2 GROUPS ABCD AND NIFW BY FM FOR USE WITH THE 27/37 OPTIONS.
 - 5. FOR TURBIDITY OPTIONS (27/37), THE MAXIMUM CABLE LENGTH IS 50 FEET.
 - 4. NO REVISION TO DRAWING WITHOUT FM APPROVAL. THIS IS AN AGENCY CONTROLLED DOCUMENT.
 - 3. GROUND CONNECTION MAY BE MADE IN HAZARDOUS AREA.
 - 2. WHEN CONDUIT IS USED, A SEAL IS REQUIRED AT EACH CONDUIT ENTRANCE.
 - 1. INSTALLATION MUST CONFORM TO THE NEC (ANSI-NFPA 70).
- NOTES: UNLESS OTHERWISE SPECIFIED

FEB 25, 2009	9956	B
RELEASE DATE	ECO NO	REV

DIMENSIONS ARE IN INCHES REMOVE BURRS & SHARP EDGES MACHINE FILLET RADII .020 MAX NOMINAL SURFACE FINISH: 125 ANGLES ± 1/2° .XX ± .03 .XXX ± .010	APPROVALS		DATE
	DRAWN	B. JOHNSON	9-15-2008
	CHECKED	J. PERKINS	2-25-2009
	ENG APPR	D. CROWLEY	2-25-2009
MATERIAL	THIS FILE CREATED USING SOLIDWORKS		
FINISH	NA		

Emerson ROSEMOUNT PROCESS MANAGEMENT ANALYTICAL	
TITLE: NON INCENDIVE FIELD WIRING INSTALLATION (FM) 1056	
SIZE: DWG NO	REV
D 1400324	E
SCALE: NONE	WEIGHT:
SHEET 1 OF 1	

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