HAZARDOUS LOCATION CLASS I, GROUP C, D
HAZARDOUS LOCATION Ex d ia IIB T4

NON–HAZARDOUS LOCATION

MODEL 3410 SERIES ELECTRONICS

EXPLOSION–PROOF SEAL (FIELD PROVIDED) 4. 22.

EXPLOSION–PROOF WIRING (PER LOCAL CODE) 23.

RJ45 CONNECTIONS

PC	HUB
PIN 3	PIN 1
PIN 6	PIN 2
PIN 1	PIN 3
PIN 2	PIN 6

ETHERNET

6. 10/100BASET ETHERNET PORT — TX+, TX–, RX+, RX– — TO ETHERNET CONNECTION 14. 6.

PORT A RS232 / RS485/RS422 15. 13.

RS232	RS422/485	
COM	COM	COM
RTS	TX+	TX+
TX	TX–	TX–
RX	RX+	
CTS	RX–	
(FULL)	(HALF)	

RS232, RS485, OR RS422 DEVICE 1. 2.

50 FT. MAX.(RS232 ONLY)

35. CPU MODULE P/N

	1–360–03–065	1–360–03–010	
GROUP 1	FODO1, GND1, DI1/FODO6	FODO1, GND1, DI1	TO FLOW COMPUTER DEVICE 8. (10.)
GROUP 2	FODO2, FODO3, GND2, GND2	FODO2, GND2, GND2, FODO3	TO FLOW COMPUTER DEVICE (10.)
GROUP 2	FODO4, FODO5	4–20MA CURRENT OUTPUT 2: AO2+, AO2–	CONNECTIONS FOR 4–20MA CURRENT OUTPUT 29. 30. / TO FLOW COMPUTER DEVICE

AO1

4–20MA CURRENT OUTPUT 1: AO1+, AO1– — CONNECTIONS FOR 4–20MA CURRENT OUTPUT / HART SLAVE 29. 30.

ANALOG IN

ANALOG INPUT 1 (TEMPERATURE): TT+, TT– — TO TEMPERATURE TRANSMITTER (4–20MA INPUT)

ANALOG INPUT 2 (PRESSURE): PT+, PT– — TO PRESSURE TRANSMITTER (4–20MA INPUT)

27. 28. 31.

EXPLOSION PROOF TRANSMITTER ENCLOSURE ASSEMBLY 33.

24V LOOP POWER: +, +, –, – — LOOP POWER FOR 4–20MA INPUTS AND OUTPUTS

28. 31. 33.

12. 1 CHGND INTERNAL — CHGND EXTERNAL (2 PLACES)

POWER INPUT (10.4VDC – 36 VDC): +, – — POWER IN 3.

3.

I.S. INTERFACE — FACTORY CABLE (2 FT. MAX.) 19.

J3 ACQUISITION MODULE

FACTORY CABLE TYPICAL 7. 5. 11.

INTRINSICALLY SAFE WIRING 9.

INTRINSICALLY SAFE BASE ENCLOSURE GAS ACQUISITION MODULE ASSEMBLY

A1+	1	WHITE / BLACK	TRANSDUCER
A1–	2		
	3		
C1+	4	WHITE / BLACK	TRANSDUCER
C1–	5		
	6		
D2+	7	WHITE / BLACK	TRANSDUCER
D2–	8		
	9		
B2+	10	WHITE / BLACK	TRANSDUCER
B2–	11		
	12		
B1+	1	WHITE / BLACK	TRANSDUCER
B1–	2		
	3		
D1+	4	WHITE / BLACK	TRANSDUCER
D1–	5		
	6		
C2+	7	WHITE / BLACK	TRANSDUCER
C2–	8		
	9		
A2+	10	WHITE / BLACK	TRANSDUCER
A2–	11		
	12		

17.

WARNING

TO PREVENT INGNITION OF FLAMMABLE OR COMBUSTIBLE ATMOSPHERES, READ, UNDERSTAND, AND ADHERE TO THE MANUFACTURER'S LIVE MAINTENANCE PROCEDURES.

READ AND UNDERSTAND USER'S MANUAL BEFORE OPERATING.

WARNING

AN EXTERNAL POWER SOURCE SHALL NOT APPLY A POTENTIAL WITH RESPECT TO EARTH (Um) IN EXCESS OF 250 Vrms OR 250Vdc TO ANY TERMINAL CONNECTION IN THIS UNIT.

REV	DATE	DRN	DESCRIPTION	CHKD	APPD
G	11/20/15	KVG	DMC–1586	CV	KDG
F	12/11/14	KDG	ECO DMC–464	CV	KDG
E	5/21/13	KDG	ECO SP2023	KVG	KDG
D	02/19/13	KDG	ECO SP1919	CV	KDG
C	11/30/11	KDG	ECO SP1412	KVG	KDG
B	04/08/11	KDG	ECO SP1098	KVG	KDG
A	09/29/10	KDG	RELEASED	KVG	KDG

SI METRIC
THIRD ANGLE PROJECTION
MATERIAL: BLOCK NOT APPLICABLE
FINISH: BLOCK NOT APPLICABLE
PROJ. FILE NO. USM–01307

FILENAME: DMC005324G1.DWG, DATE: 11–20–15, TIME: 11:45 A.M.

GEOMETRIC TOLERANCES & DIMENSIONS PER ANSI Y14.5 LATEST REVISION

UNLESS OTHERWISE NOTED ALL DIMENSIONS IN INCHES
X.XX ±.015
X.XXX ±.005
ANGULAR ±0° 30'
FINISH 200 RA MAX

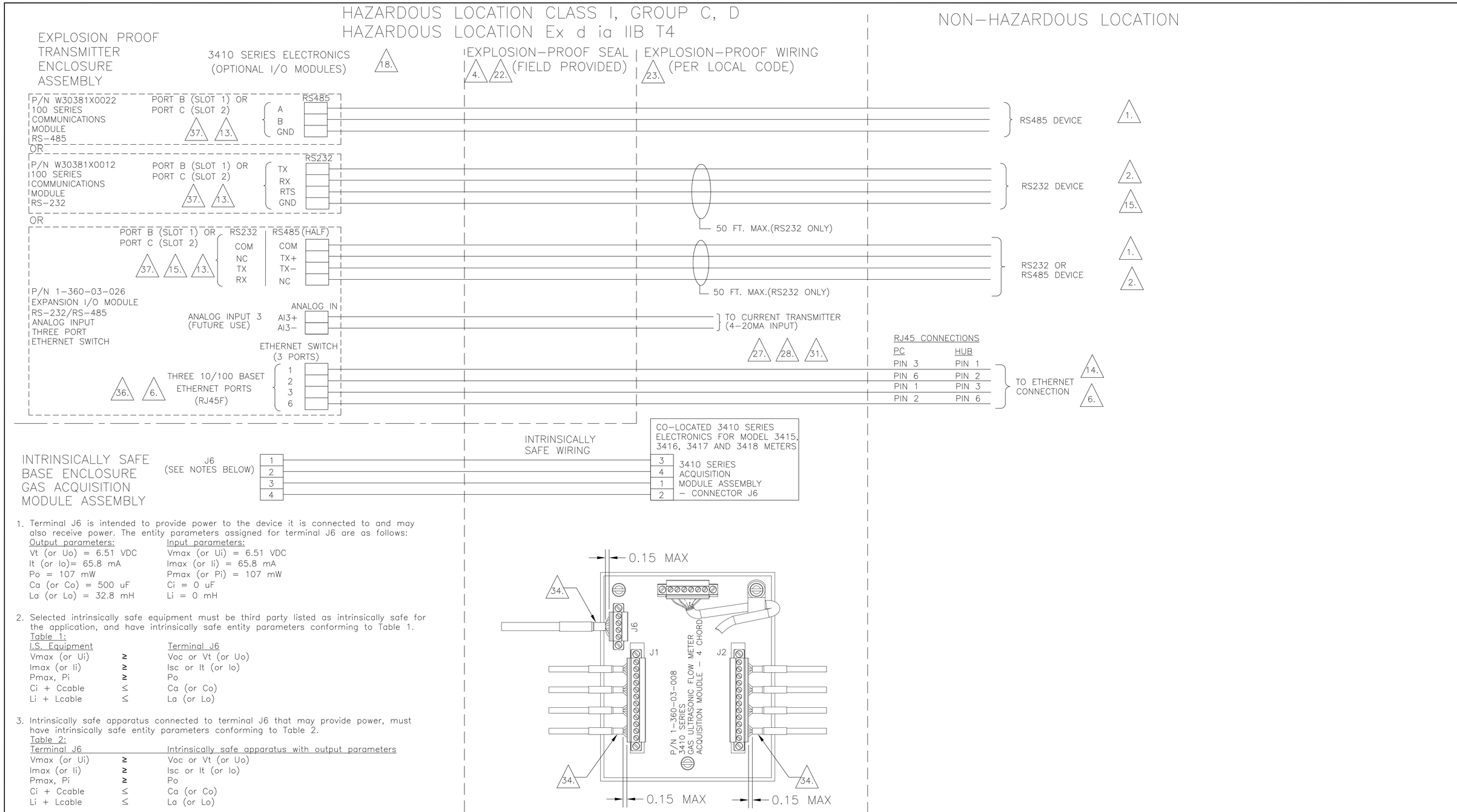
BREAK ALL SHARP CORNERS TO .003–.015 RADIUS AND REMOVE ALL BURRS

DANIEL
Daniel Measurement and Control

TITLE: 3410 SERIES ULTRASONIC METER SYSTEM WIRING DIAGRAM

DRN KDG	DATE 09/29/10	DWG NO. DMC–005324	REV G
CHKD KVG	DATE 09/29/10		
APPD KDG	DATE 09/29/10	SCALE NA	P/N

SHT 1 OF 3



1. Terminal J6 is intended to provide power to the device it is connected to and may also receive power. The entity parameters assigned for terminal J6 are as follows:

Output parameters:	Input parameters:
Vt (or Uo) = 6.51 VDC	Vmax (or Ui) = 6.51 VDC
It (or Io)= 65.8 mA	Imax (or Ii) = 65.8 mA
Po = 107 mW	Pmax (or Pi) = 107 mW
Ca (or Co) = 500 uF	Ci = 0 uF
La (or Lo) = 32.8 mH	Li = 0 mH

2. Selected intrinsically safe equipment must be third party listed as intrinsically safe for the application, and have intrinsically safe entity parameters conforming to Table 1.

Table 1:

I.S. Equipment		Terminal J6
Vmax (or Ui)	≥	Voc or Vt (or Uo)
Imax (or Ii)	≥	Isc or It (or Io)
Pmax, Pi	≥	Po
Ci + Ccable	≤	Ca (or Co)
Li + Lcable	≤	La (or Lo)

3. Intrinsically safe apparatus connected to terminal J6 that may provide power, must have intrinsically safe entity parameters conforming to Table 2.

Table 2:

Terminal J6		Intrinsically safe apparatus with output parameters
Vmax (or Ui)	≥	Voc or Vt (or Uo)
Imax (or Ii)	≥	Isc or It (or Io)
Pmax, Pi	≥	Po
Ci + Ccable	≤	Ca (or Co)
Li + Lcable	≤	La (or Lo)

4. Capacitance and inductance of the field wiring from the intrinsically safe equipment to the terminal J6 shall be calculated and must be included in the system calculations as shown in Table 1 and Table 2. Cable capacitance, Ccable, plus intrinsically safe equipment capacitance, Ci must be less than the marked capacitance, Ca (or Co), shown on any associated apparatus used. The same applies for inductance (Lcable, Li and La or Lo, respectively). Where the cable capacitance and inductance per foot are not known, the following values shall be used: Ccable = 60 pF/ft., Lcable = 0.2 μH/ft.

5. For installations in which both the Ci and Li of the intrinsically safe apparatus connected to terminal J6 exceeds 1% of the stated Co and Lo parameters (excluding the cable), then 50% of Co and Lo parameters are applicable and shall not be exceeded.

REV	DATE	DRN	DESCRIPTION	CHKD	APPD
G	11/20/15	KVG	ECO DCM-1586	CV	KDG
F	12/11/14	KDG	ECO DMC-464	CV	KDG
E	5/21/13	KDG	ECO SP2023	KVG	KDG
D	02/19/13	KDG	ECO SP1919	CV	KDG
C	11/30/11	KDG	ECO SP1412	KVG	KDG
B	04/08/11	KDG	ECO SP1098	KVG	KDG
A	09/29/10	KDG	RELEASED	KVG	KDG

SI METRIC
THIRD ANGLE PROJECTION
MATERIAL: BLOCK NOT APPLICABLE
FINISH: BLOCK NOT APPLICABLE
PROJ. FILE NO. USM-01307
FILENAME: DMC005324G2.DWG, DATE: 11-20-15, TIME: 11:45 A.M.

GEOMETRIC TOLERANCES & DIMENSIONS PER ANSI Y14.5 LATEST REVISION

UNLESS OTHERWISE NOTED ALL DIMENSIONS IN INCHES
X.XX ±.015
X.XXX ±.005
ANGULAR ±0° 30'
FINISH 200 RA MAX

BREAK ALL SHARP CORNERS TO .003-.015 RADIUS AND REMOVE ALL BURRS

DANIEL
Daniel Measurement and Control

TITLE: 3410 SERIES ULTRASONIC METER SYSTEM WIRING DIAGRAM

DRN KDG	DATE 09/29/10	DWG NO. DMC-005324		REV G
CHKD KVG	DATE 09/29/10			
APPD KDG	DATE 09/29/10	SCALE NA	P/N	SHT 2 OF 3

NOTES:

1. MAX LENGTH OF RS-485 WIRING IS 2,000 FT.

2. ETHERNET OR RS-422 IS THE PREFERRED COMMUNICATIONS INTERFACE. OPTIONALLY, RS-232 MAY BE USED FOR SHORT DISTANCES, (50 FT.)

3. POWER INPUT IS NOMINAL 24 VDC. INPUT RANGE 10.4-36V DC. POLARITY INSENSITIVE

4. AN EXPLOSION-PROOF SEAL IS REQUIRED WITHIN 457 MM(18 INCHES) OF THE ENCLOSURE.

5. TRANSDUCER CABLE IS 20 AWG. SHIELDED PAIR, 20 AWG DRAIN, BRAIDED SHIELD, REMKE INDUSTRIES OR EQUIVALENT, 15 FT. MAX.

6. FOR OPTIMUM DIAGNOSTIC INTERFACE, WIRING ETHERNET PORT IS RECOMMENDED. USE CAT5 ETHERNET CABLE

7. INTRINSICALLY SAFE WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE ARTICLE 504 OF THE NATIONAL ELECTRICAL CODE OR RULE 18-066 OF THE CANADIAN ELECTRICAL CODE.

8. DIGITAL INPUT 1 (DI1) IS CONTACT CLOSURE ONLY.

9. TRANSDUCER PAIRS REQUIRED

MODEL NO.	TRANSDUCER PAIRS REQUIRED	TYPICAL CHORDS USED
3414	4	A,B,C,D
3412	2	A,B
3411	1	A
3417,3418	8	2 x MODEL 3414
3416	6	1 x MODEL 3414 AND MODEL 3412
3415	5	1 x MODEL 3414 AND MODEL 3411

10. FODO OUTPUTS 1 THROUGH 6 CAN BE INDEPENDENTLY CONFIGURED TO FUNCTION AS FREQUENCY OUTPUTS OR DIGITAL STATUS OUTPUTS. THEY CAN EACH BE INDEPENDENTLY CONFIGURED TO DRIVE AS TTL OR OPEN COLLECTOR. FODO6 SHARES CONNECTIONS WITH DI1 ON CPU MODULE P/N 1-360-03-065. DI1/FODO6 FUNCTION IS SOFTWARE CONFIGURABLE. GROUP 1 OUTPUTS (GND1) ARE ELECTRICALLY ISOLATED FROM GROUP 2 OUTPUTS (GND2).

11. EXPOSION PROOF TRANSMITTER ENCLOSURE AND INTRINISICALLY SAFE BASE ENCLOSURE MUST BE MOUNTED IN A REMOTE LOCATION OFF THE METER BODY IF THE PROCESS TEMPERATURE EXCEEDS THE LOWER OR UPPER AMBIENT RATING -40 °C TO 60 °C (-40 °F TO 140 °F). THE ELECTRONICS MUST BE MOUNTED NEXT TO THE METER BODY ON A PIPE STAND OR OTHER RIGID STRUCTURE.

    TRANSDUCER CABLES (P/N 2-3-3400-194, 15 FT. LONG) SHALL BE USED TO CONNECT THE DANIEL 3410 SERIES ELECTRONICS TO THE TRANSDUCERS INSTALLED IN A METER BODY FOR PROCESS FLUID TEMPERATURES UP TO 100 °C (212 °F). IN ANY CONFIGURATION, THE TOTAL CABLE LENGTH SHALL NOT EXCEED 4.7 METERS (15 FEET) BETWEEN THE ACQUISITION MODULE AND ANY TRANSDUCER.

12. THE INTERNAL GROUNDING TERMINAL SHALL BE USED AS THE PRIMARY EQUIPMENT GROUND. THE EXTERNAL GROUND TERMINAL IS ONLY A SUPPLEMENTAL BONDING CONNECTION WHERE LOCAL AUTHORITIES PERMIT OR REQUIRE SUCH A CONNECTION.

13. COMM SIGNAL NAMING CONVENTION IS WITH RESPECT TO METER. (I.E. PC – TX –> METER – RX)

14. RJ45 SOCKET NUMBERING AND T568B WIRING FOR STANDARD PATCH CABLING. ETHERNET PORTS AUTOMATICALLY DETECT DIRECT PC OR HUB CONNECTION. CROSSOVER NOT REQUIRED FOR DIRECT PC CONNECTION

RJ45 (FEMALE) RJ45 (MALE)

CPU MODULE		RJ45 (MALE)	EXPANSION MODULE RJ45 (FEMALE)		RJ45 (MALE)
TX+	-->	PIN 1 (O/W)	PIN 1	-->	PIN 1 (O/W)
TX-	-->	PIN 2 (O)	PIN 2	-->	PIN 2 (O)
RX+	-->	PIN 3 (G/W)	PIN 3	-->	PIN 3 (G/W)
RX-	-->	PIN 6 (G)	PIN 6	-->	PIN 6 (G)

15. PC SIDE SERIAL CONNECTION MUST BE WIRED FOR COMPLETE NULL MODEM FOR SUCCESSFULL HOOKUP TO METER
    NULL MODEM CONNECTIONS FOR PC END OF CABLE (RS232 WITH NO HANDSHAKING ONLY)

FEMALE 9 PIN DSUB CONNECTOR (BACK VIEW)

CPU MODULE		DB9 (FEMALE)
RX	-->	PIN 3
TX	-->	PIN 2
COM	-->	PIN 5

PIN 1
PIN 4
PIN 6
PIN 7
PIN 8

16. CPU MODULE DIP SWITCH SETTINGS

SWITCH	DESCRIPTION
PORT A	PORT A OVERRIDE
DHCP	DHCP SERVER ENABLE
WRITE PROT.	MEMORY PROTECT

TO ENABLE THE PORT A OVERRIDE, SWITCH MUST BE MOVED FROM THE OFF TO ON POSITION. PORT A WILL BE SET TO 19200,8,N,1 ID 32 FOR TWO MINUTES.

17. MODEL 3410 SERIES TRANSDUCERS TYPE T-11, T-12, T-21, T-22, T-31, T-32, AND T-41.

    THE TRANSDUCERS ARE NOT INTENDED FOR USE ACROSS A BOUNDARY WALL.

    THE TEMPERATURE CLASSIFICATION OF THE TRANSDUCERS IS T4 UNLESS THE ELECTRONICS ENCLOSURE IS REMOTELY MOUNTED FROM THE METER BODY. IF THE ELECTRONICS ENCLOSURE IS NOT MOUNTED TO THE METER BODY, REFER TO THE CERTIFICATION LABEL DMC-006036 ON THE METER BODY FOR THE APPROPRIATE CLASSIFICATION OF THE TRANSDUCERS, T4 OR T3.

    PROCESS TEMPERATURE MUST NOT EXCEED THE OPERATING TEMPERATURE RANGE OF THE TRANSDUCERS AS INDICATED IN THE TABLE BELOW.

TRANSDUCER TYPE	PROCESS TEMPERATURE RANGE
T-11	-20 °C (-4 °F) TO +100 °C (+212 °F)
T-12	-20 °C (-4 °F) TO +100 °C (+212 °F)
T-21 (W-01)	-20 °C (-4 °F) TO +100 °C (+212 °F)
T-22 (W-02)	-50 °C (-58 °F) TO +100 °C (+212 °F)
T-31 (W-03)	-20 °C (-4 °F) TO +100 °C (+212 °F)
T-32 (W-04)	-50 °C (-58 °F) TO +100 °C (+212 °F)
T-41 (W-01)	-50 °C (-58 °F) TO +100 °C (+212 °F)

18. THE 3410 SERIES METER STANDARD ENCLOSURE OPTION HAS ONE AVAILABLE SLOT FOR A SINGLE I/O MODULE. THE RETROFIT ENCLOSURE OPTION HAS TWO AVAILABLE SLOTS FOR TWO I/O MODULES. RETROFIT OPTION SUPPORTS INSTALLATION OF ONLY ONE EXPANSION I/O MODULE WITH ETHERNET SWITCH (P/N 1-360-03-026) IN EITHER SLOT

19. FACTORY CABLE INCLUDES EXPLOSION PROOF SEAL.

21. DIMENSIONS OF FLAMEPROOF JOINTS ARE OTHER THAN THE RELEVANT MINIMUM OR MAXIMUM SPECIFIED IN TABLE 3 OF EN/IEC 60079-1:2007. PLEASE CONTACT MANUFACTURER FOR DETAILS.

22. ALL CABLE ENTRY DEVICES SHALL BE CERTIFIED IN TYPE OF EXPLOSION PROTECTION FLAMEPROOF ENCLOSURE 'd', SUITABLE FOR THE CONDITIONS OF USE AND CORRECTLY INSTALLED.

    IECEx UL 11.0004X CERTIFICATE NOTE:
    TABULATION OF ADDITIONAL PREVIOUS EDITIONS APPLIED

    THE FOLLOWING ADDITIONAL PREVIOUS EDITIONS OF STANDARDS NOTED UNDER THE "STANDARDS" SECTION OF THIS CERTIFICATE WERE APPLIED TO INTEGRAL COMPONENTS AS ITEMIZED BELOW. THERE ARE NO SIGNIFICANT SAFETY RELATED CHANGES BETWEEN THESE PREVIOUS EDITIONS AND THE EDITIONS NOTED UNDER THE "STANDARDS" SECTION.

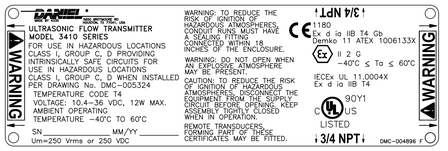
BLANKING ELEMENTS MODEL NUMBER PA-D-3-0-30 OR PA-D-1-1-30 MANUFACTURED BY REDAPT.	IEC 60079-0:2009
THREAD ADAPTERS MODEL NUMBER RD-U-3-0-30-04 OR RD-U-1-1-30-04 MANUFACTURED BY REDAPT.	IEC 60079-0:2009

23. FIELD WIRING MUST BE RATED FOR 75 °C OR HIGHER. FOR AMBIENT TEMPERATURES BELOW -10 °C (14 °F), USE FIELD WIRING SUITABLE FOR THE MINIMUM AMBIENT TEMPERATURE.

24. REFER TO THE APPROPRIATE INSTRUCTION MANUAL FOR INSTRUCTIONS FOR SAFETY INCLUDING PUTTING INTO SERVICE, USE, ASSEMBLING AND DISMANTLING, MAINTENANCE, INSTALLATION, AND ADJUSTMENT.

    3-9000-759 3410 SERIES INSTALLATION MANUAL
    3-9000-769 3410 SERIES MAINTENANCE AND TROUBLESHOOTING MANUAL

25. LABEL FOR 3410 SERIES FLOW METER:
    DATE CODE IS INCLUDED IN THE SERIAL NUMBER. SERIAL NUMBER FORMAT SHALL BE "YY-WWXXXX" WHERE:
    YY = 2-DIGIT YEAR OF MANUFACTURE
    WW = WEEK OF MANUFACTURE (01-52)
    XXXX = SEQUENTIALLY INCREMENTING NUMBER



26. FOR THE U.L. U.S. MARK INVESTIGATION, THE DEVICE COMPLIES TO THE FOLLOWING STANDARDS FOR USE IN THE UNITED STATES:

    UL 1203, 4TH EDITION
    UL 508, 17TH EDITION
    UL 913, 7TH EDITION

    FOR THE U.L.-C MARK INVESTIGATION, THE DEVICE COMPLIES TO THE FOLLOWING STANDARDS FOR USE IN CANADA:

    CAN/CSA C22.2 No. 30-M1986, REV. 1988-11
    CAN/CSA C22.2 No. 14-10
    CAN/CSA C22.2 No. 157-92

    FOR THE ATEX MARK INVESTIGATION, THE DEVICE COMPLIES TO THE FOLLOWING STANDARDS FOR USE IN THE EUROPEAN UNION:

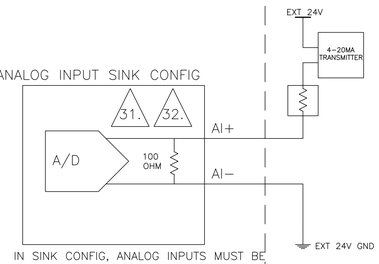
    EN 60079-0:2012
    EN 60079-1:2007
    EN 60079-11:2007

    FOR THE IECEx MARK INVESTIGATION, THE DEVICE COMPLIES TO THE FOLLOWING STANDARDS:

    IEC 60079-0:2012
    IEC 60079-1:2007
    IEC 60079-11:2006

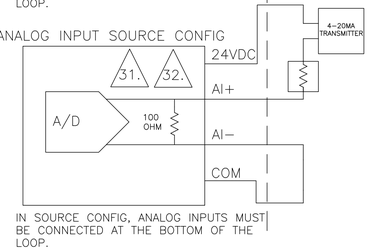
3410 SERIES ELECTRONICS | EXTERNAL CONNECTIONS

27. ANALOG INPUT SINK CONFIG



IN SINK CONFIG, ANALOG INPUTS MUST BE CONNECTED AT THE BOTTOM OF THE LOOP.

28. ANALOG INPUT SOURCE CONFIG

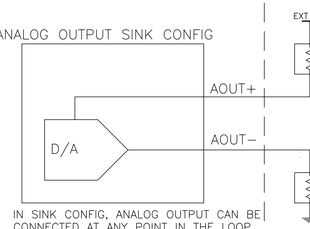


IN SOURCE CONFIG, ANALOG INPUTS MUST BE CONNECTED AT THE BOTTOM OF THE LOOP.

REPRESENTS ADDITIONAL I/O DEVICES LOCATED IN THE LOOP. ADDITIONAL DEVICES ONLY SHOWN TO ILUSTRATE ANALOG CONNECTIONS. NOT REQUIRED FOR OPERATION

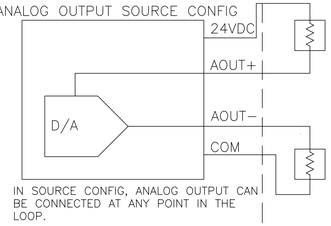
3410 SERIES ELECTRONICS | EXTERNAL CONNECTIONS

29. ANALOG OUTPUT SINK CONFIG



IN SINK CONFIG, ANALOG OUTPUT CAN BE CONNECTED AT ANY POINT IN THE LOOP.

30. ANALOG OUTPUT SOURCE CONFIG



IN SOURCE CONFIG, ANALOG OUTPUT CAN BE CONNECTED AT ANY POINT IN THE LOOP.

REPRESENTS ADDITIONAL I/O DEVICES LOCATED IN THE LOOP. ADDITIONAL DEVICES ONLY SHOWN TO ILUSTRATE ANALOG CONNECTIONS. NOT REQUIRED FOR OPERATION

31. ANALOG INPUT 1 AND ANALOG INPUT 2 ARE FUNCTIONALLY IDENTICAL AND ARE NOT ELECTRICALLY ISOLATED FROM EACH OTHER. THE '-' TERMINALS OF ANALOG INPUTS ARE COMMON TO EACH OTHER.

32. ANALOG INPUT 1 AND ANALOG INPUT 2 HAVE ADDITIONAL 150 OHMS LOOP IMPEDANCE FOR COMPLIANCE WITH HART COMMUNICATION REQUIREMENTS.

33. 24 VOLTS DC OUTPUT CAN BE USED TO SOURCE POWER TO ONE OR MORE OF THE ANALOG INPUTS OR OUTPUTS.

34. MODEL 3415, 3416, 1417 AND 3418: CABLING TO CONNECTORS J1, J2 AND J6 ON ACQUISITION MODULE SHALL HAVE DISCRETE WIRES RESTRAINED USING SHRINK TUBING AS SHOWN ON SHEET 2.

35. I/O CONFIGURATION CHANGES BASED ON CPU MODULE P/N. REFER TO PRODUCT MANUAL FOR FULL DETAILS.

36. EXPANSION MODULE HAS THREE ETHERNET PORT SWITCH WHERE PORT LABELED "3" IS INTENDED FOR CONNECTING TO ETHERNET PORT OF CPU MODULE, AND PORTS LABELED "1" AND "2" ARE AVAILABLE FOR USER.

37. SERIAL I/O MODULE INSTALLED IN SLOT 1 (ADJACENT TO CPU MODULE) IS PORT B, AND SERIAL I/O MODULE INSTALLED IN SLOT 2 IS PORT C. SLOT 2 IS ONLY AVAILABLE WITH RETROFIT ENCLOSURE OPTION.

REV	DATE	DRN	DESCRIPTION	CHKD	APPD
G	11/20/15	KDG	ECO DMC-1586	CV	KDG
F	12/11/14	KDG	ECO DMC-464	CV	KDG
E	05/21/13	KDG	ECO SP2023	KVG	KDG
D	02/19/13	KDG	ECO SP1919	CV	KDG
C	11/30/11	KDG	ECO SP1412	KVG	KDG
B	04/08/11	KDG	ECO SP1098	KVG	KDG
A	09/29/10	KDG	RELEASED	KVG	KDG

SI METRIC
THIRD ANGLE PROJECTION
MATERIAL: BLOCK NOT APPLICABLE
FINISH: BLOCK NOT APPLICABLE
PROJ. FILE NO. USM-01307
FILENAME: DMC005324G3.DWG, DATE: 11-20-15, TIME: 11:45 A.M.

GEOMETRIC TOLERANCES & DIMENSIONS PER ANSI Y14.5 LATEST REVISION
UNLESS OTHERWISE NOTED ALL DIMENSIONS IN INCHES
X.XX ±.015
X.XXX ±.005
ANGULAR ±0° 30'
FINISH 200 RA MAX
BREAK ALL SHARP CORNERS TO .003-.015 RADIUS AND REMOVE ALL BURRS

DANIEL
Daniel Measurement and Control

TITLE: 3410 SERIES ULTRASONIC METER SYSTEM WIRING DIAGRAM

DRN KDG	DATE 09/29/10	DWG NO. DMC-005324	REV G
CHKD KVG	DATE 09/29/10		
APPD KDG	DATE 09/20/10	SCALE NA	P/N
			SHT 3 OF 3