

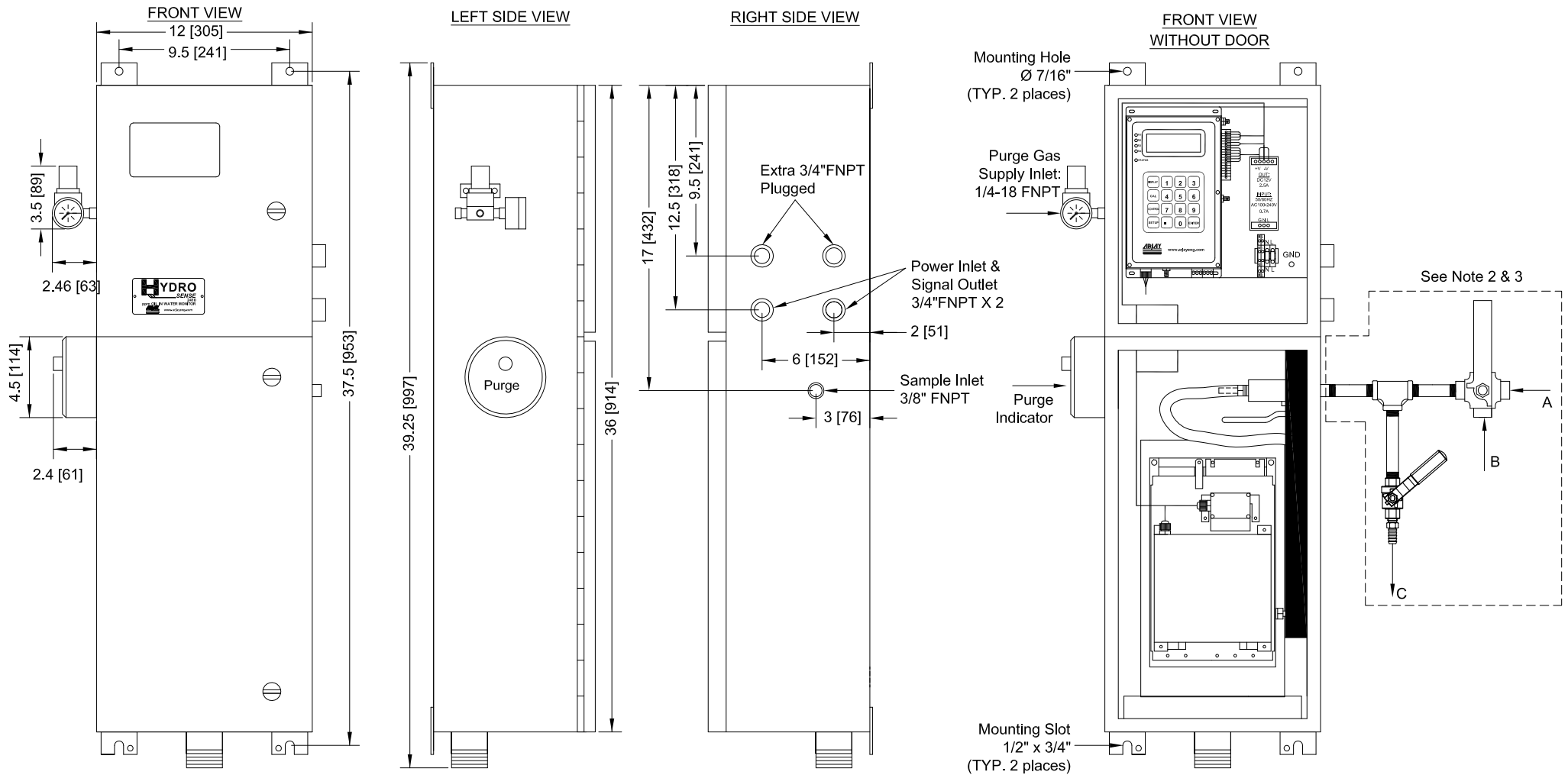
Note:

- All dimensions are in inches and [mm].
- 3 Way Valve with grab sample take off valve **supplied loose**.
 - Process Sample Inlet 3/8" FNPT
 - Clean Water Inlet 3/8" FNPT for Test and Calibration.
 - Sample take off point for laboratory analysis.
- Sample take off point assembly parts:

DESCRIPTION	QTY.	SIZE
2.5 Long Nipple	2	3/8" MNPT
3.5 Long Nipple	1	3/8" MNPT
Tee	1	3/8" FNPT
2 Way Valve	1	3/8" FNPT
3/8" Hose Barb	1	3/8" MNPT
3 Way Valve	1	3/8" MNPT

4	15/04/16	UPDATED ENCLOSURE (ADDED 2 EXTRA 3/4" FNPT -PLUGGED)		
3	04/02/13	UPDATED POWER SUPPLY & TAKE OFF POINT PARTS		
2	29/06/11	UPDATED POWER AND PURGE TERMINAL		
1	01/11/10	ADDED SAMPLE TAKE OFF POINT		
REV	DATE	DESCRIPTION	CHK'D	APP'D
		REVISIONS		

		PROJECT:	
		HYDROSENSE	
DWG. STATUS	BY	DATE	TITLE
DRAWN	V.H.	28 11 07	Hydrosense and Vent 100-240VAC System Overview
CHECKED			
APPROVED			
SCALE N.T.S.	REF. DWGS.	DWG. NO.	20070523
		SHT.	REV.
		1	4



Note:

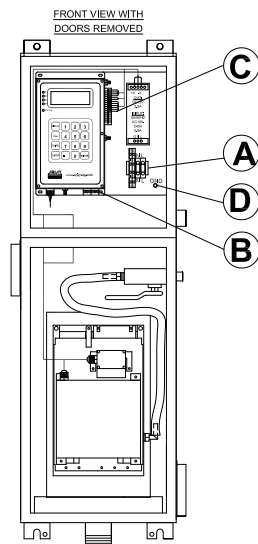
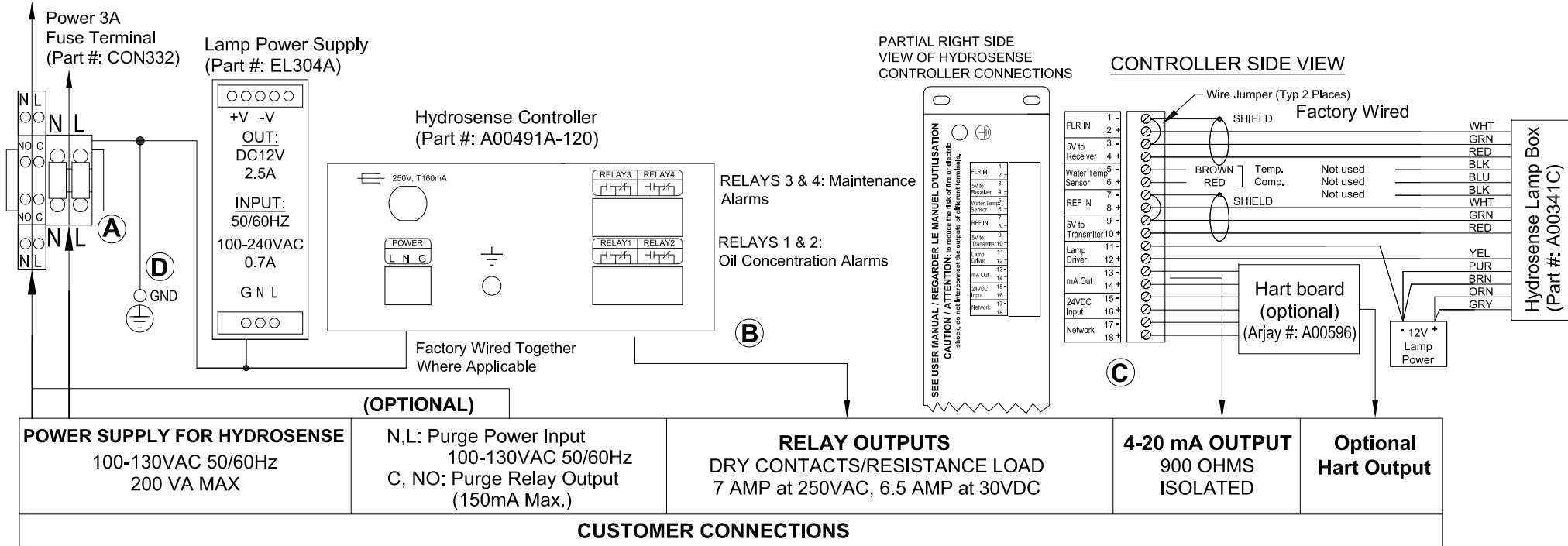
- All dimensions are in inches and [mm].
- 3 Way Valve with grab sample take off valve supplied loose.
A: Process Sample Inlet 3/8" FNPT
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3	04/02/13	UPDATED POWER SUPPLY & TAKE OFF POINT PARTS		
2	29/06/11	UPDATED POWER AND PURGE TERMINAL		
1	01/11/10	ADDED SAMPLE TAKE OFF POINT		
REV	DATE	DESCRIPTION	CHK'D	APP'D
		REVISIONS		

		PROJECT:		
		HYDROSENSE		
DWG. STATUS	BY	DATE	TITLE Hydrosense and Purge 100-240VAC System Overview	
DRAWN	V.H.	28 11 07		
CHECKED				
APPROVED				
SCALE N.T.S.	REF. DWGS.	DWG. NO.	20070520	SHT. 1 REV. 4

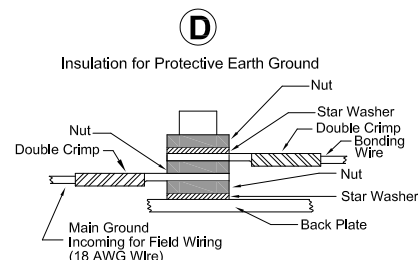
2.5mm Double Decker Terminal
(Part # CON 322)



Connection to the building wiring system shall be accordance with the local electrical codes of the country where the equipment is being installed.
Wiring gauge : 16-18AWG.
After field wiring, the primary wires must be secured to the enclosure by tie-wraps to maintain the separation from the signal wires.

Part # A00482-120
- CE Declaration
- Approved to CSA Class 1, Div 2 (Zone 2)
- cUL and UL Electrical Safety to IEC standards
Part # A00528-120
-cUL and UL Electrical Safety to IEC standards

Total Power Consumption: 200 VA MAX
Net Weight: 38 Kg/82 lbs (no accessories)

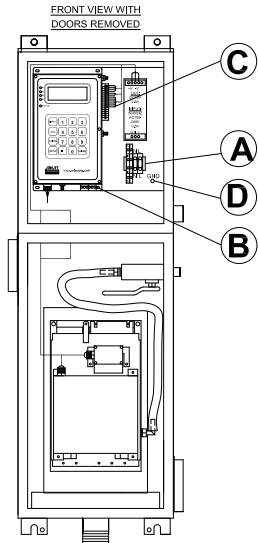
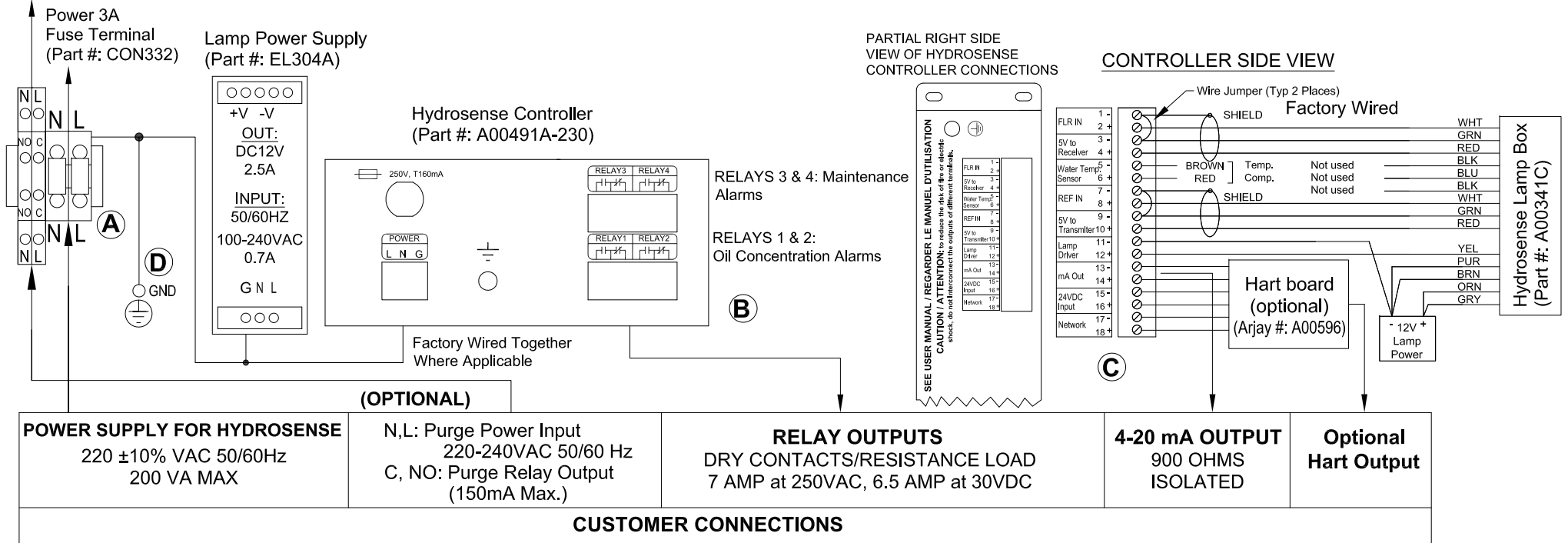


Note:

1) Purge System and Hydrosense should use separate power supply.

7	04/02/13	Changed Part Number (EL304B to EL304A)		
6	29/06/11	Updated power and purge input terminals		
5	07/02/11	Modified Part Number (EL304A to EL304B)		
4	10/09/08	Modified Part Number		
3	26/08/08	Added Wiring Description		
2	15/02/08	Added Optional Hart Output		
1	06/12/07	Added Earth Ground and Note D		
REV	DATE	DESCRIPTION	CHK'D	APP'D
REVISIONS				
			PROJECT:	
			HYDROSENSE	
DWG. STATUS	BY	DATE	TITLE	
DRAWN	V.H.	05 11 07	Hydrosense-120VAC Electrical	
CHECKED			Part #: A00482-120	
APPROVED				
SCALE	REF. DWGS.	DWG. NO.		
N.T.S.		20070522		
			SHT.	REV.
			1	7

2.5mm Double Decker Terminal
(Part # CON 322)



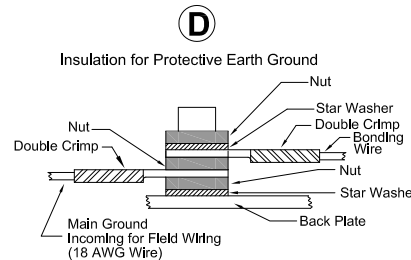
Connection to the building wiring system shall be accordance with the local electrical codes of the country where the equipment is being installed.
Wiring gauge : 16-18 AWG.
After field wiring, the primary wires must be secured to the enclosure by the tie-wraps to maintain the separation from the signal wires.

Part # A00482-230

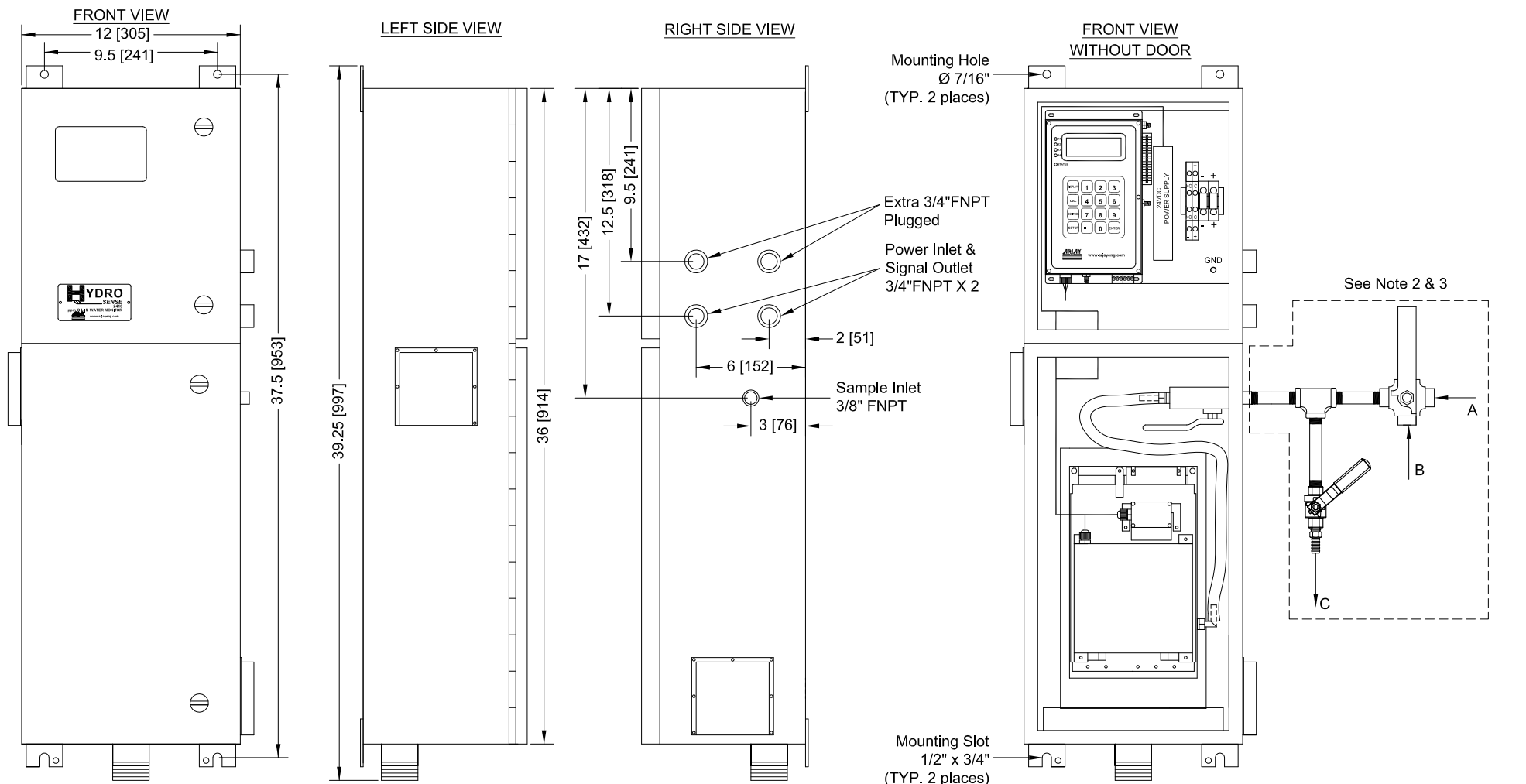
- CE Declaration
 - Approved to CSA Class 1, Div 2 (Zone 2)
 - cUL and UL Electrical Safety to IEC standards
- Part # A00528-230**
- cUL and UL Electrical Safety to IEC standards

Total Power Consumption: 200 VA MAX
Net Weight: 38 Kg/82 lbs (no accessories)

Note:
1) Purge System and Hydrosense should use separate power supply.



8	16/07/18	Changed Part Number (A00482-230 to A00482-220)		
7	04/02/13	Changed Part Number (EL304B to EL304A)		
6	29/06/11	Updated power and purge input terminals		
5	07/02/11	Modified Part Number (EL304A to EL304B)		
4	10/09/08	Modified Part Number		
3	26/08/08	Added Wiring Description		
2	15/02/08	Added Optional Hart Output		
1	06/12/07	Added Earth Ground and Note D		
REV	DATE	DESCRIPTION	CHK'D	APP'D
REVISIONS				
DWG. STATUS		BY	DATE	TITLE
DRAWN		V.H.	28 11 07	Hydrosense-220VAC Electrical
CHECKED				Part #: A00482-220
APPROVED				
SCALE	REF. DWGS.	DWG. NO.	20070521	SHT. 1
N.T.S.				REV. 8

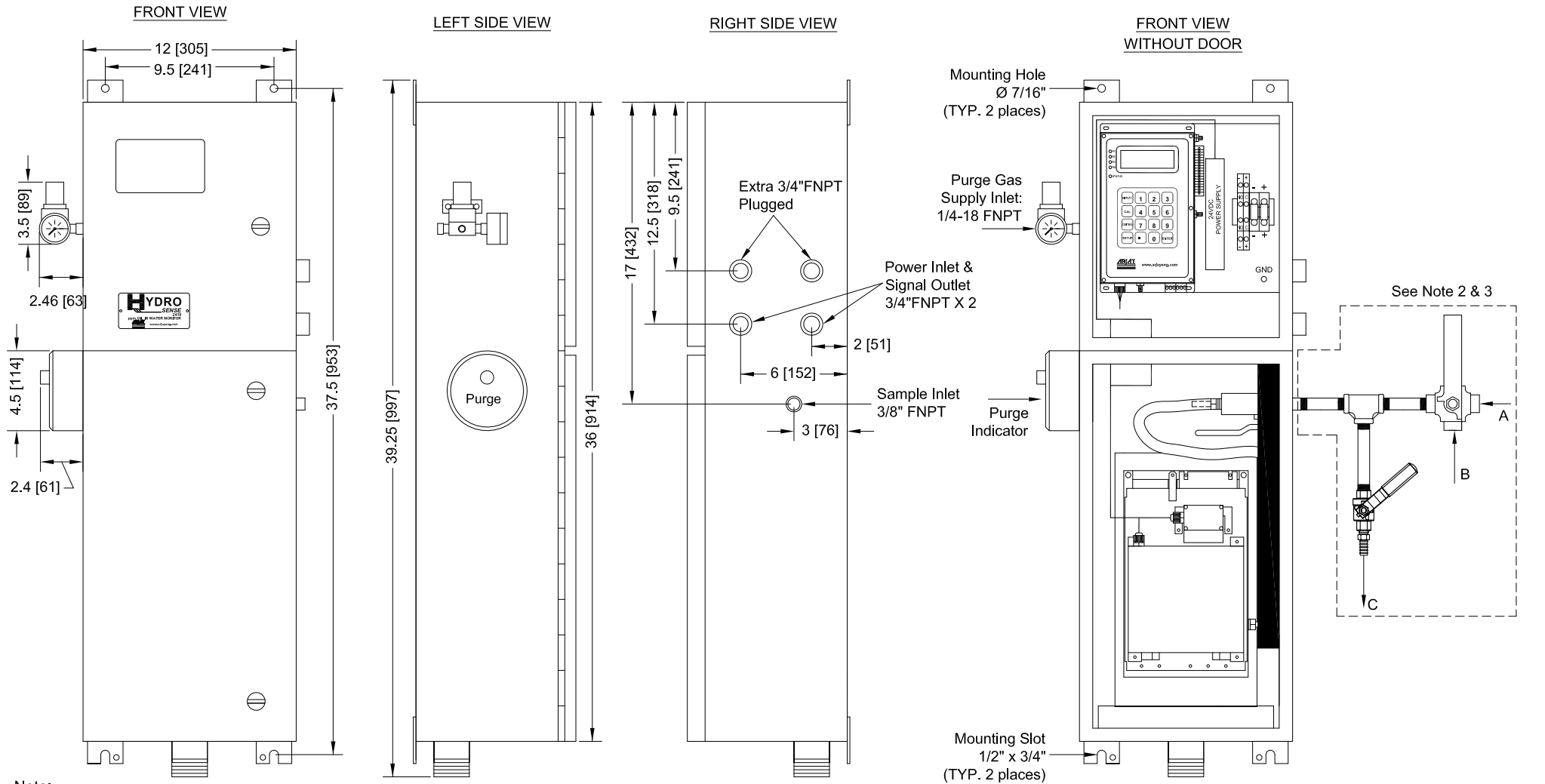


Note:

- All dimensions are in inches and [mm].
- 3 Way Valve with grab sample take off valve supplied loose.
 A: Process Sample Inlet 3/8" FNPT
 B: Clean Water Inlet 3/8" FNPT for Test and Calibration.
 C: Sample take off point for laboratory analysis.
- Sample take off point assembly parts:

DESCRIPTION	QTY.	SIZE
2.5 Long Nipple	2	3/8" MNPT
3.5 Long Nipple	1	3/8" MNPT
Tee	1	3/8" FNPT
2 Way Valve	1	3/8" FNPT
3/8" Hose Barb	1	3/8" MNPT
3 Way Valve	1	3/8" MNPT

4	15/04/16	UPDATED ENCLOSURE (ADDED 2 EXTRA 3/4" FNPT -PLUGGED)		
3	04/02/13	UPDATED TAKE OFF POINTS PARTS		
2	29/06/11	UPDATED POWER AND PURGE TERMINAL		
1	01/11/10	ADDED SAMPLE TAKE OFF POINT		
REV	DATE	DESCRIPTION	CHK'D	APP'D
REVISIONS				
		PROJECT:		
		HYDROSENSE		
DWG. STATUS	BY	DATE	TITLE	
DRAWN	V.H.	28 11 07	Hydrosense and Vent 24VDC System Overview	
CHECKED				
APPROVED				
SCALE	REF. DWGS.	DWG. NO.	20070527	
N.T.S.				
			SHT. 1	REV. 4



Note:

1. All dimensions are in inches and [mm].
2. 3 Way Valve with grab sample take off valve supplied loose.
 - A: Process Sample Inlet 3/8" FNPT
 - B: Clean Water Inlet 3/8" FNPT for Test and Calibration.
 - C: Sample take off point for laboratory analysis.
3. Sample take off point assembly parts:

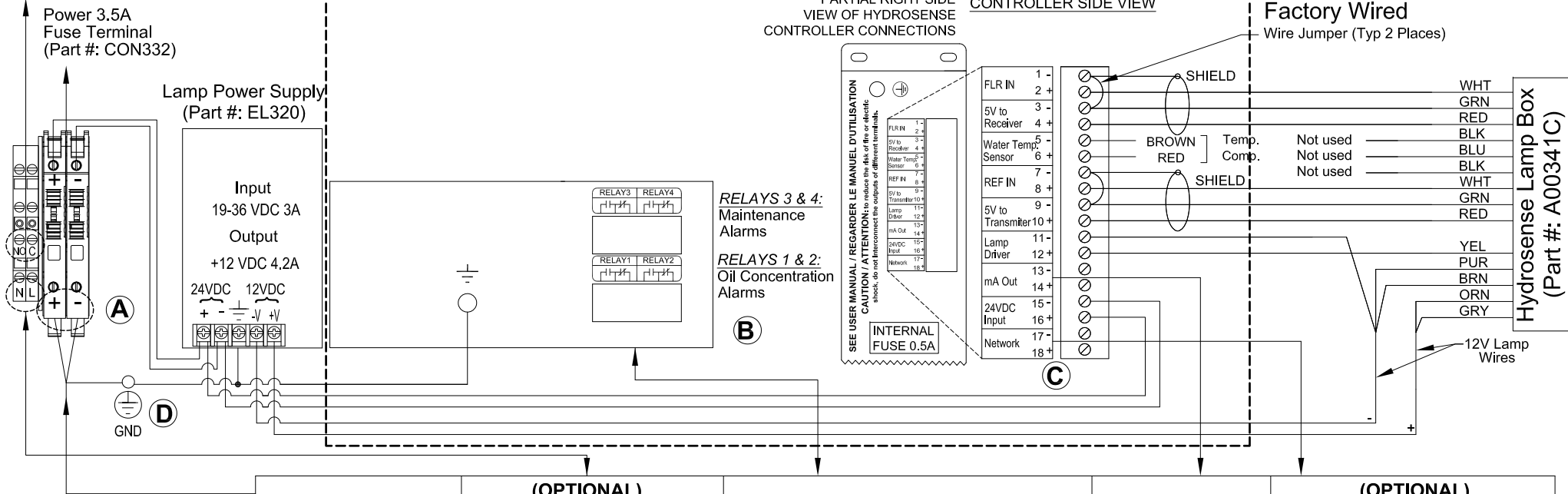
DESCRIPTION	QTY.	SIZE
2.5 Long Nipple	2	3/8" MNPT
3.5 Long Nipple	1	3/8" MNPT
Tee	1	3/8" FNPT
2 Way Valve	1	3/8" FNPT
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3	04/02/13	UPDATED TAKE OFF POINT PARTS		
2	29/06/11	UPDATED POWER AND PURGE TERMINAL		
1	01/11/10	ADDED SAMPLE TAKE OFF POINT		
REV	DATE	DESCRIPTION	CHK'D	APP'D
		REVISIONS		

		PROJECT:		
		HYDROSENSE		
DWG. STATUS	BY	DATE	TITLE	
DRAWN	V.H.	28 11 07	Hydrosense and Purge 24VDC System Overview	
CHECKED				
APPROVED				
SCALE	REF. DWGS.	DWG. NO.	20070526	REV. 4
N.T.S.				

2.5mm Double Decker Terminal
(Part # CON 322)

Hydrosense Controller (Part #: A00491-24)



POWER SUPPLY FOR HYDROSENSE	(OPTIONAL)	RELAY OUTPUTS	4-20 mA OUTPUT	(OPTIONAL)
21 - 30 VDC	+ , - : Purge Power Input 19 - 28 VDC C, NO: Purge Relay Output (150mA Max.)	DRY CONTACTS/RESISTANCE LOAD 7 AMP at 250VAC, 6.5 AMP at 30VDC	900 OHMS ISOLATED	NETWORK (Modbus RS485) / HART OUPUT

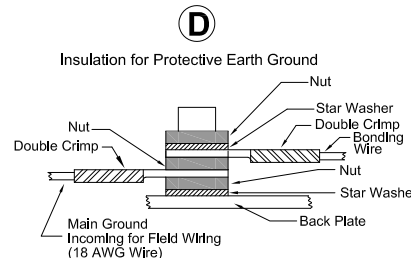
CUSTOMER CONNECTIONS

Connection to the building wiring system shall be accordance with the local electrical codes of the country where the equipment is being installed.
Wiring gauge : 16-18 AWG.
After field wiring, the primary wires must be secured to the enclosure by the tie-wraps to maintain the separation from the signal wires.

Part # A00482-24

- CE Declaration
 - Approved to CSA Class 1, Div 2 (Zone 2)
 - cUL and UL Electrical Safety to IEC standards
- Part # A00528-24
- cUL and UL Electrical Safety to IEC standards

Net Weight: 38 Kg/82 lbs (no accessories)



REV	DATE	DESCRIPTION	CHK'D	APP'D
4	08/11/18	Revised.		
3	29/06/11	Updated power and purge input terminals		
2	15/12/10	Changed Fuse from 3A to 3.5A.		
1	09/10/08	Changed power Input to 21-30VDC.		

ARJAY ENGINEERING LIMITED				PROJECT:	
Hydrosense-24VDC Electrical Part #: A00482-24				HYDROSENSE	
DWG. STATUS	BY	DATE	TITLE		
DRAWN	J.B.	11/09/08			
CHECKED					
APPROVED					
SCALE	REF. DWGS.	DWG. NO.			
N.T.S.		20070525			
			SHT.	REV.	
			1	4	