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# Priva Compass 2S

PANEL #: C-2S

PART #: 3772100

Compass 2S w/ Gateway V2

As Built

02/12/2024

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## Priva North America

3468 South Service Rd., Vineland Station, ON L0R 2E0 Canada

Telephone: 905-562-7351 Fax: 905-562-7717

Website: [www.priva.ca](http://www.priva.ca) E-Mail: [priva@priva.ca](mailto:priva@priva.ca)

Drawing #	Description 1	Description 2
010	Password & Login Sheet	
011	Backplate Layout	
012	Inside Door Layout	
021	Enclosure Layout	
071	120/24V Fuses	
131	C-MX34(1) Top	Digital & Universal Inputs
132	C-MX34(1) Top	Analog Outputs
133	C-MX34(1) Bottom	Power, Communications, Gateway V2
134	C-MX34(1) Bottom	Relay Outputs
951	Enclosure Label	
962	Bill Of Materials	3772100 Enclosure
975	Nomenclature	

				DESIGN BY: EW	Priva Compass 2S	PANEL SERIAL 3772100	
				TESTED BY: VB	List Of Drawings	PANEL NUMBER C-2S	
A	DM	02/12/2024	Rev A	START DATE: 01/16/2018		DRAWING # 003	
REV	BY	DATE (M/D/Y)	DESC				



Thank you for your purchase of a Compass controller. As part of the setup of our system, we have set a login name, password and pincode for you. We encourage you to change these credentials to personalize the system for yourself, but to start with, here is the information you will need.

Initial login name

guest@priva.ca

Initial login password

guest

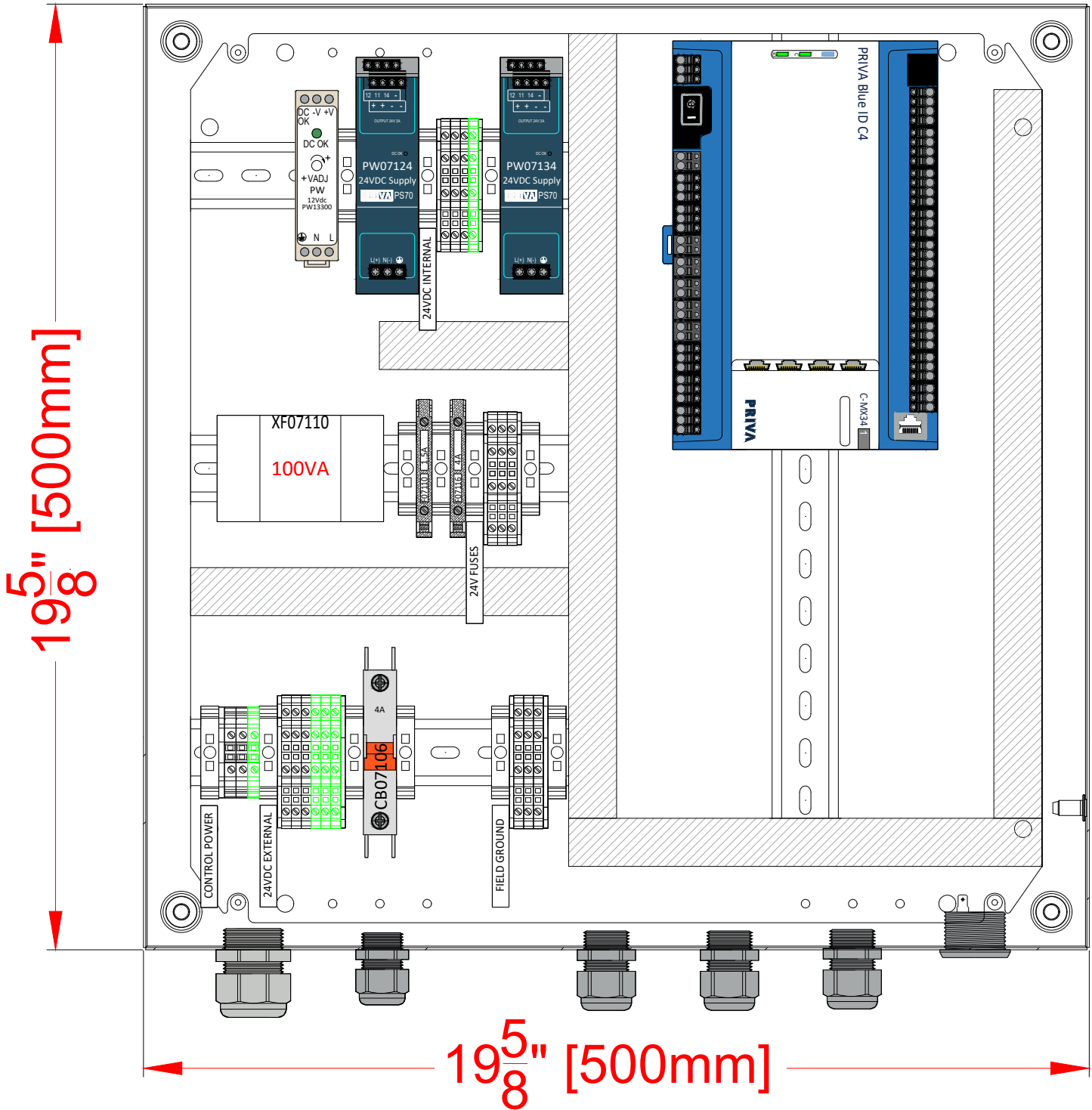
Initial pin code

00000

For more details regarding the installation of your Priva Compass, please go to [support.priva.com](http://support.priva.com)

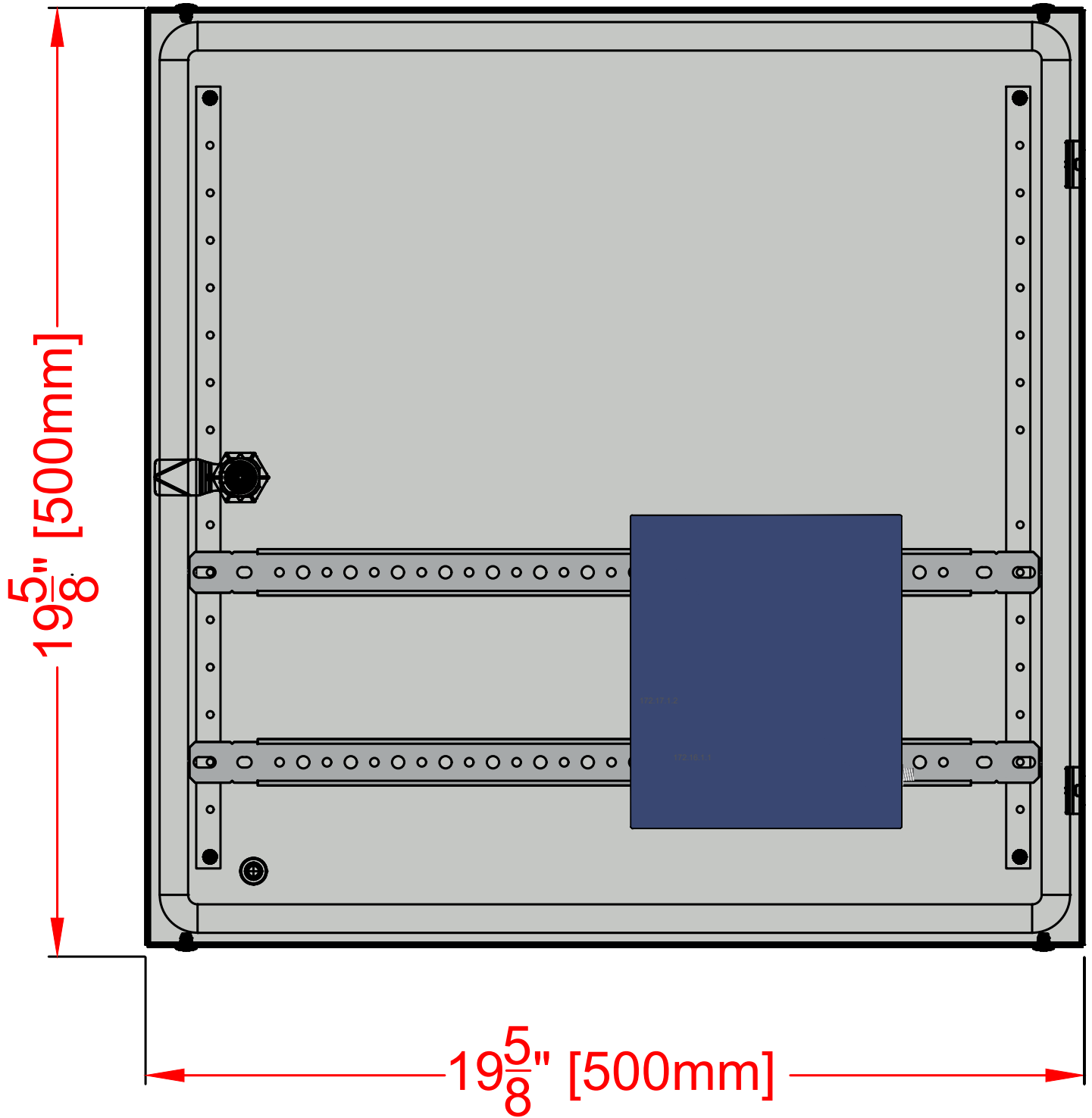
				DESIGN BY: EW	Priva Compass 2S	PART NUMBER 3772100
				TESTED BY: VB	Password & Login Sheet	PANEL NUMBER C-2S
A	DM	02/12/2024	Rev A	START DATE: 01/16/2018		DRAWING # 010
REV	BY	DATE (M/D/Y)	DESC			



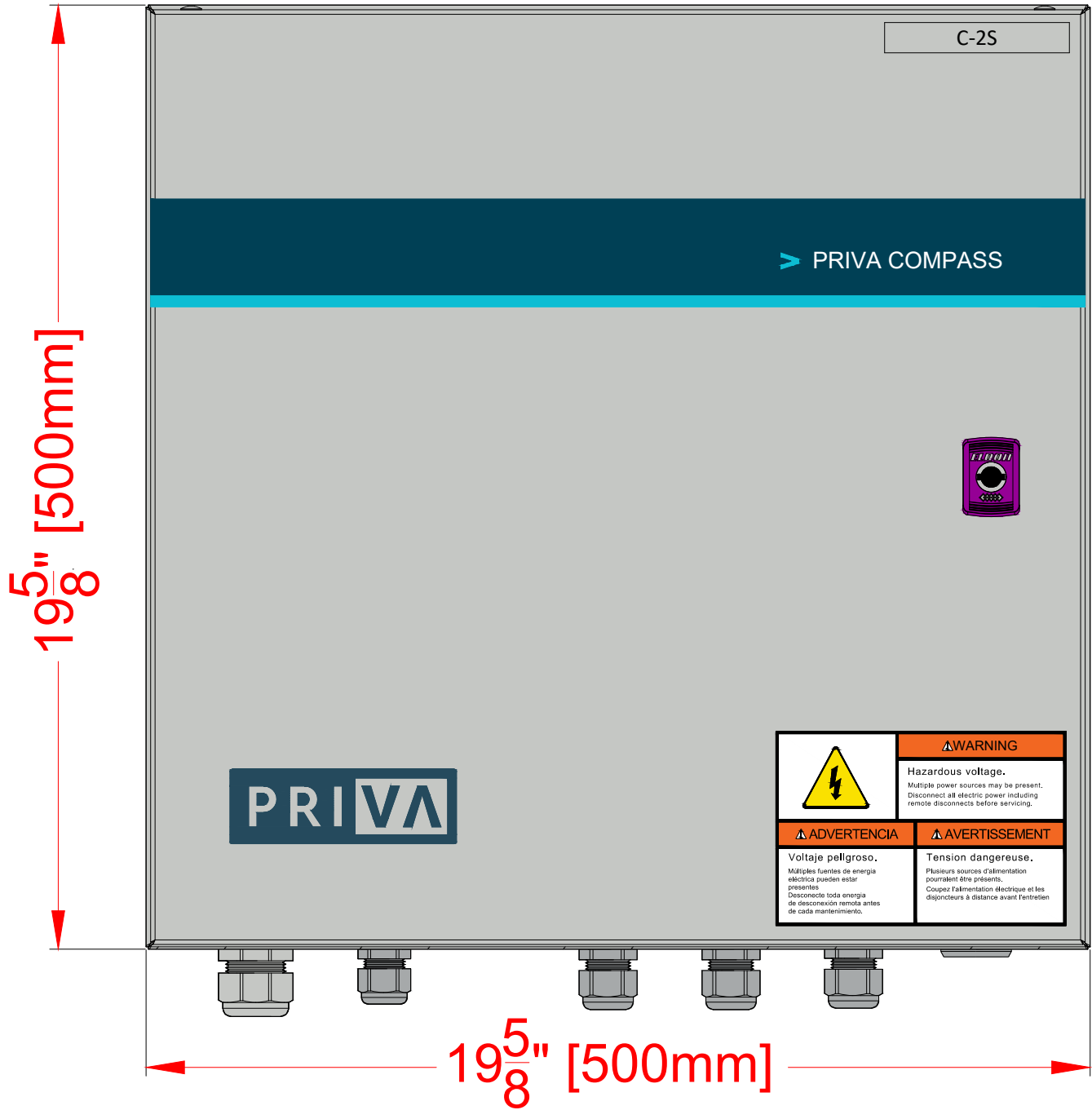


				DESIGN BY: EW	Priva Compass 2S	PART NUMBER 3772100
				TESTED BY: VB	Backplate Layout	PANEL NUMBER C-2S
A	DM	02/12/2024	Rev A	START DATE: 01/16/2018		DRAWING # 011
REV	BY	DATE (M/D/Y)	DESC			



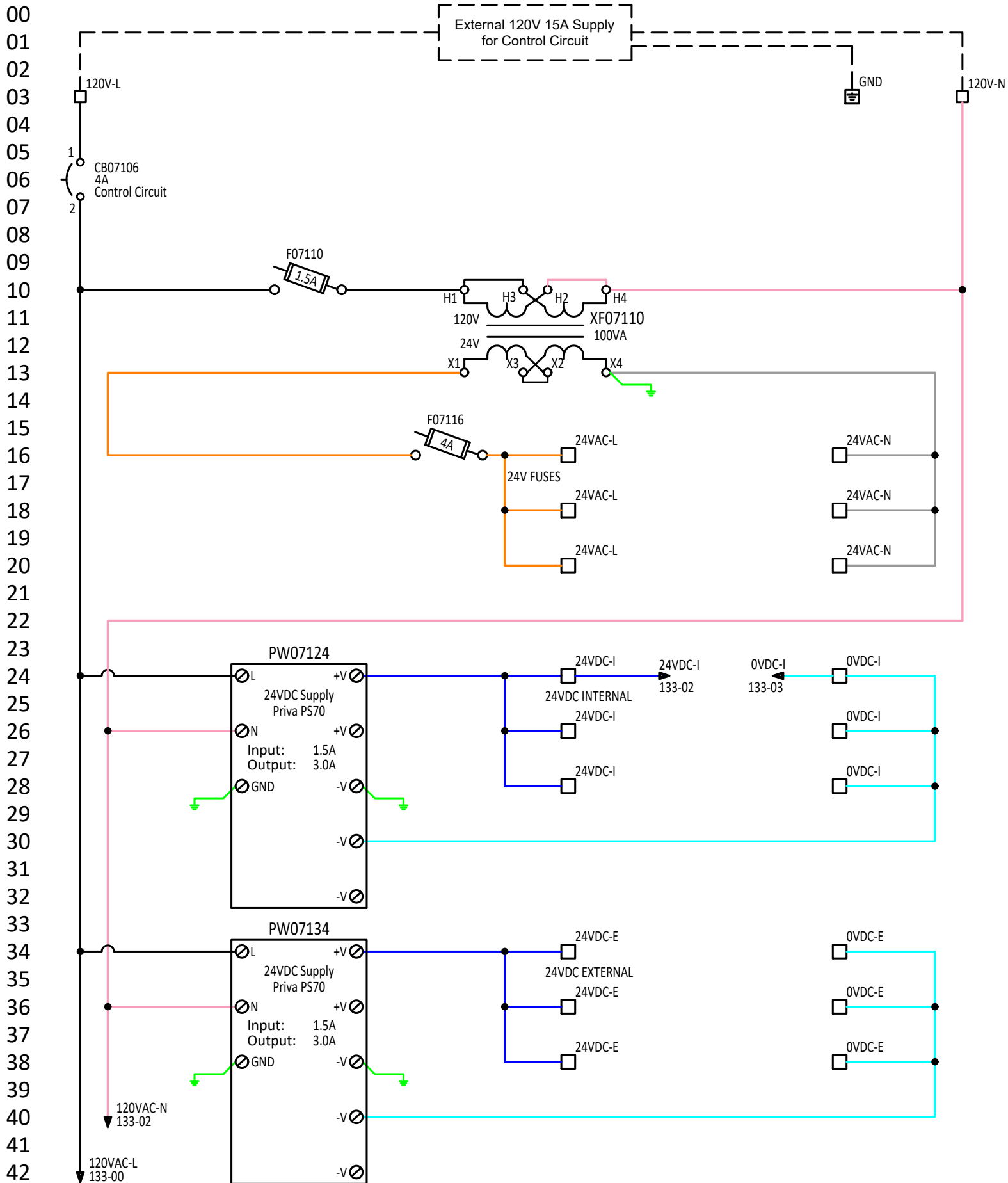


				DESIGN BY:	Priva Compass 2S	PART NUMBER	
				EW		3772100	
				TESTED BY:	Inside Door Layout	PANEL NUMBER	
				VB		C-2S	
A	DM	02/12/2024	Rev A	START DATE:		DRAWING #	
REV	BY	DATE (M/D/Y)	DESC	01/16/2018		012	



				DESIGN BY: EW	Priva Compass 2S	PART NUMBER 3772100
				TESTED BY: VB	Enclosure Layout	PANEL NUMBER C-2S
A	DM	02/12/2024	Rev A	START DATE: 01/16/2018		DRAWING # 021
REV	BY	DATE (M/D/Y)	DESC			



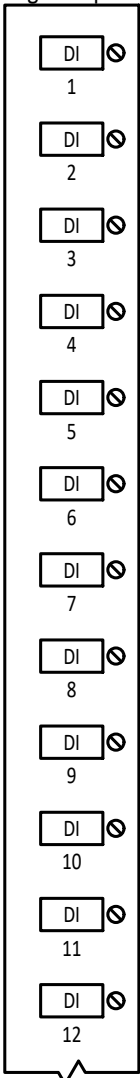


				DESIGN BY: EW	Priva Compass 2S	PART NUMBER 3772100
				TESTED BY: VB		PANEL NUMBER C-2S
A	DM	02/12/2024	Rev A	START DATE: 01/16/2018		DRAWING # 071
REV	BY	DATE (M/D/Y)	DESC			

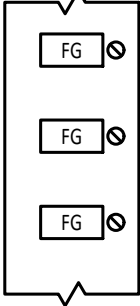


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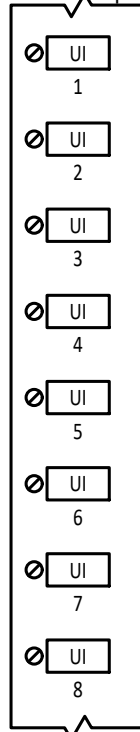
C-MX34 (1)  
Digital Inputs



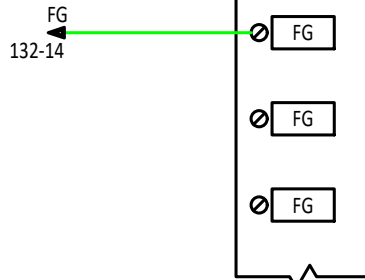
Field Ground




Universal Inputs



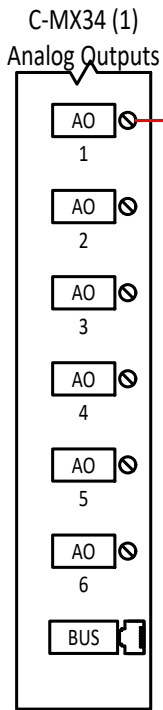
Field Ground



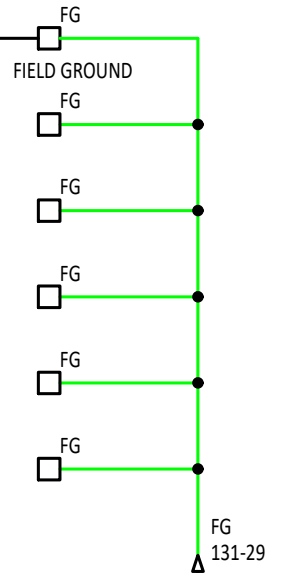
				DESIGN BY: EW	Priva Compass 2S	PART NUMBER 3772100	
				TESTED BY: VB	C-MX34(1) Top	PANEL NUMBER C-2S	
A	DM	02/12/2024	Rev A	START DATE: 01/16/2018	Digital & Universal Inputs	DRAWING # 131	
REV	BY	DATE (M/D/Y)	DESC				



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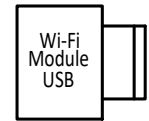
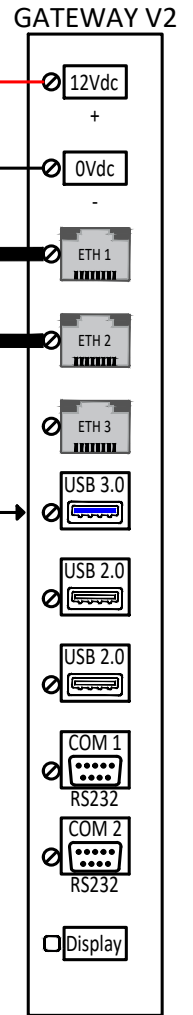
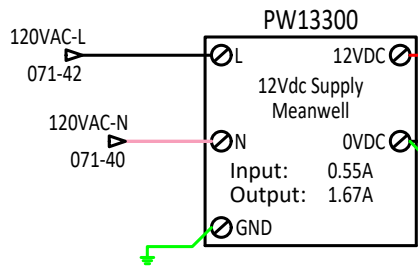
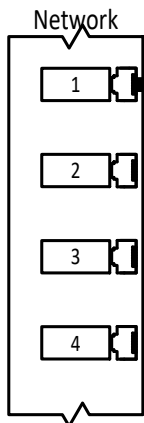
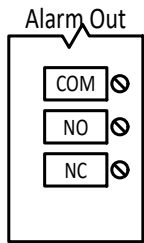
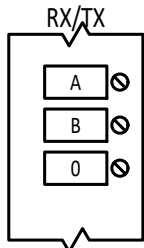
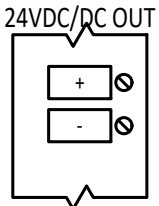
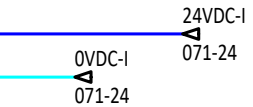
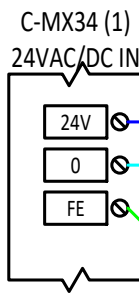


BUZZER



				DESIGN BY: EW	Priva Compass 2S	PART NUMBER 3772100	
				TESTED BY: VB	C-MX34(1) Top	PANEL NUMBER C-2S	
A	DM	02/12/2024	Rev A	START DATE: 01/16/2018	Analog Outputs	DRAWING # 132	
REV	BY	DATE (M/D/Y)	DESC				

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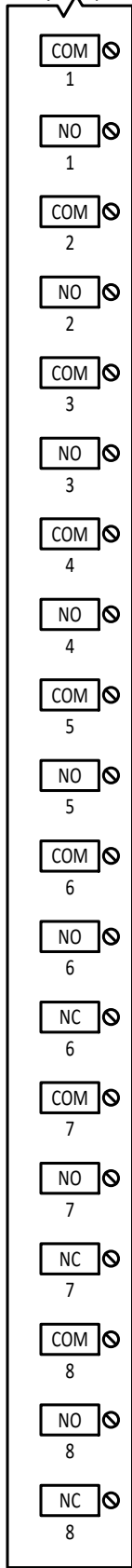


				DESIGN BY: EW	Priva Compass 2S	PART NUMBER 3772100
				TESTED BY: VB	C-MX34(1) Bottom	PANEL NUMBER C-2S
A	DM	02/12/2024	Rev A	START DATE: 01/16/2018	Power, Communications, Gateway V2	DRAWING # 133
REV	BY	DATE (MD/Y)	DESC			



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C-MX34(1)  
Relay Outputs



				DESIGN BY:	Priva Compass 2S	PART NUMBER	3772100
				TESTED BY:	C-MX34(1) Bottom	PANEL NUMBER	C-2S
A	DM	02/12/2024	Rev A	START DATE:	Relay Outputs	DRAWING #	134
REV	BY	DATE (M/D/Y)	DESC	01/16/2018			





# C-2S

Compass 2S w/ Gateway V2

ENCLOSURE TYPE: 12

PART NO: 3772100



SUPPLY VOLTAGE: 120VAC-1Ø  
SUPPLY AMPERAGE: 15A

SUPPLY VOLTAGE: N/A  
SUPPLY AMPERAGE: N/A

TOTAL OUTGOING HP: N/A  
CONTROL VOLTAGE: 120VAC-1Ø  
CONTROL AMPERAGE: 4A  
Hz: 60Hz

KAIC RATING: 5kA



# C-2S

Compass 2S w/ Gateway V2

ENCLOSURE TYPE: 12

PART NO: 3772100



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SUPPLY AMPERAGE: 15A

SUPPLY VOLTAGE: N/A  
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TOTAL OUTGOING HP: N/A  
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# C-2S

Compass 2S w/ Gateway V2

ENCLOSURE TYPE: 12

PART NO: 3772100



SUPPLY VOLTAGE: 120VAC-1Ø  
SUPPLY AMPERAGE: 15A

SUPPLY VOLTAGE: N/A  
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TOTAL OUTGOING HP: N/A  
CONTROL VOLTAGE: 120VAC-1Ø  
CONTROL AMPERAGE: 4A  
Hz: 60Hz

KAIC RATING: 5kA

CAUTION: REPLACE FUSE WITH SAME TYPE AND RATING.  
ATTENTION: REMPLACE LES FUSIBLES AVEC MEME TYPE ET CLASSEMENT  
PRECAUCION: REEMPLACE LOS FUSIBLES CON EL MISMO TIPO Y CLASIFICACION  
24V FUSE-F07116 4.0A 120V FUSE-F07110 1.5A

Quantity	Catalog	Manufacturer	Description
1	3471657	PRIVA	12VDC power cable 2.5m for LEC-7233
1	3651124	KINGSTATE	4-28VDC PZ INDCTR 85DB KPEG750
2	3656161	ELDON	Bracket, Mounting, 500Mm, Eldon
1	3656163	PRIVA	Enclosure Compass 500x500x210
2	3659062	PRIVA	POWERSUPPLY PRIVA 72W 24VDC 3A 100-240VAC
1	3771811	PRIVA	Priva Gateway V2
1	3775397	PRIVA	Dongle, USB WiFi, 2.4Ghz
1	5210001	PRIVA	CONTROLLER, C4, C-MX34, BLUE ID
1	B011046	MEANWELL	Pc Board, Power Supply 110/12, Meanwell
1	CP00620	EDP	CABLE, MODULAR CAT. 5, 4PR. 24AWG, 2M
3	E015290	BUSSMANN	FUSE 5x20, 1.5 Amp 250V SLOW CSA/UL
3	E015710	BUSSMANN	FUSE 5x20, 4.0 Amp 250V SLOW CSA/UL
2	E021130	PHOENIX CONTACT	TERMINAL, PHX, 1D, #10, 6.2mm GRAY- UT 4
12	E021200	PHOENIX CONTACT	TERMINAL, PHX, 2D, #10, 5.2mm UTTB 2,5
1	E022001	PHOENIX CONTACT	FUSE HOLDER, PHX, 1D w LIGHT IND, 24V
1	E022002	PHOENIX CONTACT	FUSE HOLDER, PHX, 1D w LIGHT IND, 250V
4	E022054	PHOENIX CONTACT	TERMINAL, PHX, 2D, #10, 5.2mm UTTB 2,5-PE
1	E022055	PHOENIX CONTACT	GROUND TERMINAL, PHX, UT 4-PE
4	E023000	PHOENIX CONTACT	END SECTION, PHX, D-UTTB 2,5/4
1	E023013	PHOENIX CONTACT	END SECTION, PHX, D-UT 2,5/10
4	E023075	PHOENIX CONTACT	SPACER PLATE, PHX, DP-UTTB 2,5/4
64	E023120	PHOENIX CONTACT	MARKER CARD, PHX, WHITE, UNPRINTED UCT-TM5
10	E023121	PHOENIX CONTACT	MARKER CARD, PHX, WHITE, UNPRINTED UCT-TM6
5	E023122	PHOENIX CONTACT	MARKER CARD, PHX, WHITE, UNPRINTED, US-EMP (44x7)
5	E023170	PHOENIX CONTACT	MARKER CARD HOLDER, PHX, KLM-A
24	E023211	PHOENIX CONTACT	BRIDGE, FIXED, 50 Pos. FBS 50-5
13	E023300	PHOENIX CONTACT	END STOP, DIN RAIL, E/NS 35 N
1	E039297	SPRECHER	CIRCUIT BREAKER, MINI 4A 1 POLE C-CURVE
2	E070650	BIMED	Cable Connector, Pg 13 Plastic
6	E070700	BIMED	CABLE CONNECTOR, PG 16 PLASTIC
2	E070730	BIMED	CABLE CONNECTOR, PG 21 PLASTIC
1	T011010	PRIVA	TRANSFORMER, 120/240:12/24V 100VA MAXIMIZER TE
1	W050060	EDP	WIRE, 96" #18 BLACK C/W FERRULE O/E
2	W050070	EDP	WIRE, 96" #18 ORANGE C/W FERRULE O/E
1	W060010	EDP	WIRE, #18/16 AWG WHITE TEW
2	W060030	EDP	WIRE, #18/16 AWG BLUE TEW
3	W060050	EDP	WIRE, #18/16 AWG GREEN TEW
2	W060075	EDP	WIRE, #18/16 AWG WHITE w/ BLUE STRIPE TEW
2	W060090	EDP	WIRE, #18/16 AWG GRAY TEW
1	W060130	EDP	WIRE, #16/26 AWG BLUE TEW
1	W060175	EDP	WIRE, #16/26 AWG BLUE w/ WHITE STRIPE TEW
1	W060250	EDP	WIRE, #14/41 AWG GREEN TEW
4	X028816	FASTENAL	SCREW, PHILLIPS,ZINC,PAN HEAD 6-32x3/4"
36	X032349	FASTENAL	SCREW, THREAD-CUTTING , PH PAN HEAD #10 x 3/8"
1	Z010031	PRIVA	LABEL, WARNING 'HAZARDOUS VOLTAGE'
3	Z010033	PRIVA	LABEL, "NO CONDUIT ENTRY", RED
1	Z010380	PRIVA	LABEL, BLANK, 8.5" x 11", BRADY
5	Z010404	PHOENIX CONTACT	LABEL, COMPONENT, PHOENIX

				DESIGN BY: EW	Priva Compass 2S	PART NUMBER 3772100
				TESTED BY: VB	Bill Of Materials	PANEL NUMBER C-2S
A	DM	02/12/2024	Rev A	START DATE: 01/16/2018	3772100 Enclosure	DRAWING # 962
REV	BY	DATE (M/D/Y)	DESC			



Module Labeling for Controller/Input/Output devices works as follows.  
Device Type Row - Column.

Example: A UI8 Input Module in row 1 in the second slot would be UI8 1-2.

Component labeling works as follows.                      Component Type/Drawing #/Rung #

Example: A Transformer on drawing 141 rung 01 will be XF14101.

Component Naming Codes:

XF	Transformer - Typical: Hammond 120/24Vac Step-down Isolation Transformer
F	Fuse - Typical: 250/24Vac Slow-Blow 5x20mm fuse in Phoenix Contact Hinged Fuse Holder

Priva Compass (C4) Modules:

Control/Communications Modules	
C-MX34	C-MX34 Control Module w/Mixed I/O
MX34	MX34 Expansion Module w/Mixed I/O
Gateway	Gateway Compass Industrial PC
Dongle	Dongle USB WiFi, 2.4Ghz
Input Modules	
UI8	UI8 Module with 8 Universal Inputs (Analog or Digital)
UI8S	UI8S Module with 8 Universal Inputs (Analog or Digital) w/Signalling
Digital Output Modules	
DOR6	DOR6 Module with 6 Relay Outputs
DOR6M	DOR6M Module with 6 Relay Outputs and Manual Override

				DESIGN BY: EW	Priva Compass 2S	PART NUMBER 3772100
				TESTED BY: VB	Nomenclature	PANEL NUMBER C-2S
A	DM	02/12/2024	Rev A	START DATE:		DRAWING #
REV	BY	DATE (M/D/Y)	DESC	01/16/2018		975



# Priva Compass 2S

Compass 2S w/ Gateway V2  
As Built  
02/12/2024



# Priva Compass 2S

Compass 2S w/ Gateway V2  
As Built  
02/12/2024



# Priva Compass 2S

Compass 2S w/ Gateway V2  
As Built  
02/12/2024



# Priva Compass 2S

Compass 2S w/ Gateway V2  
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Compass 2S w/ Gateway V2  
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