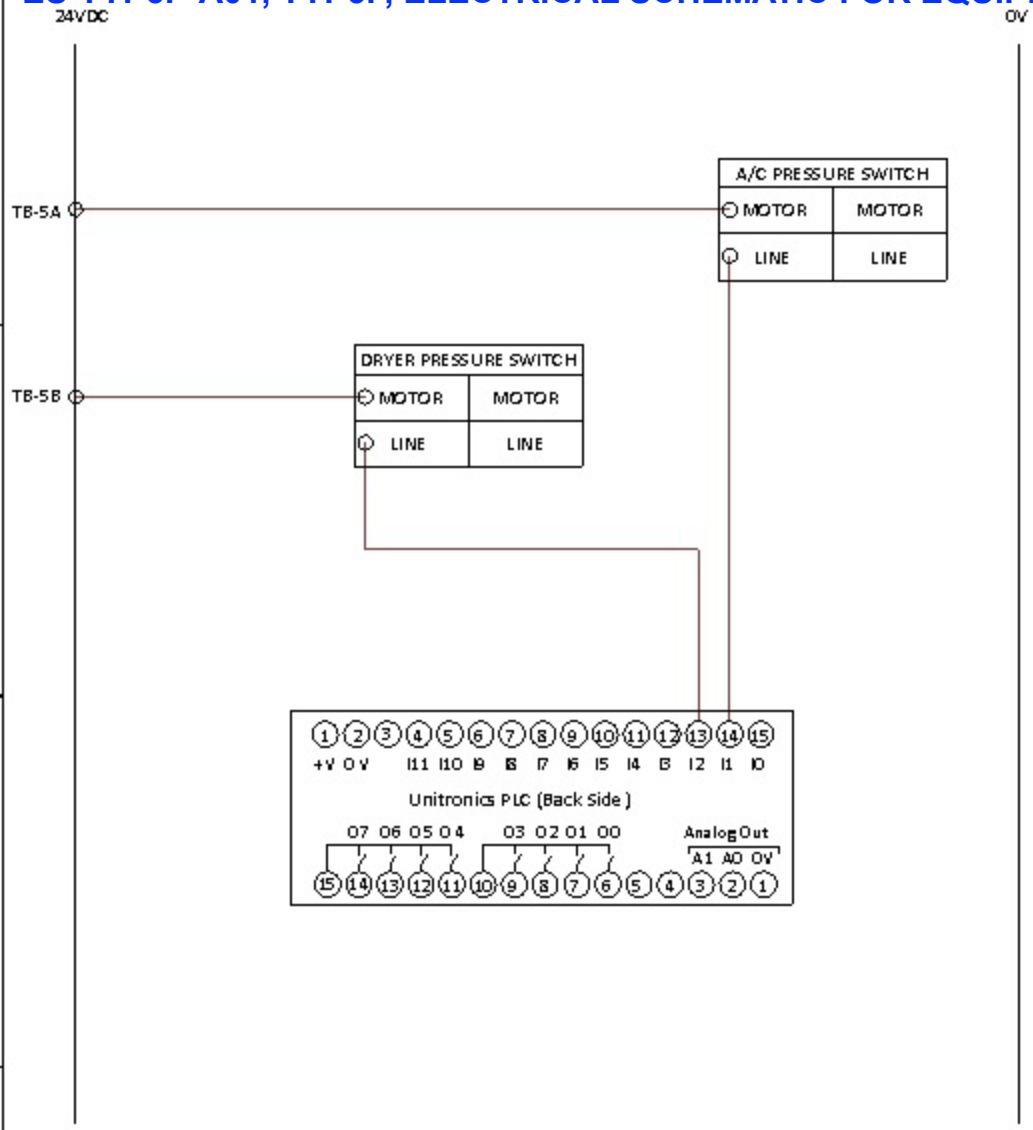
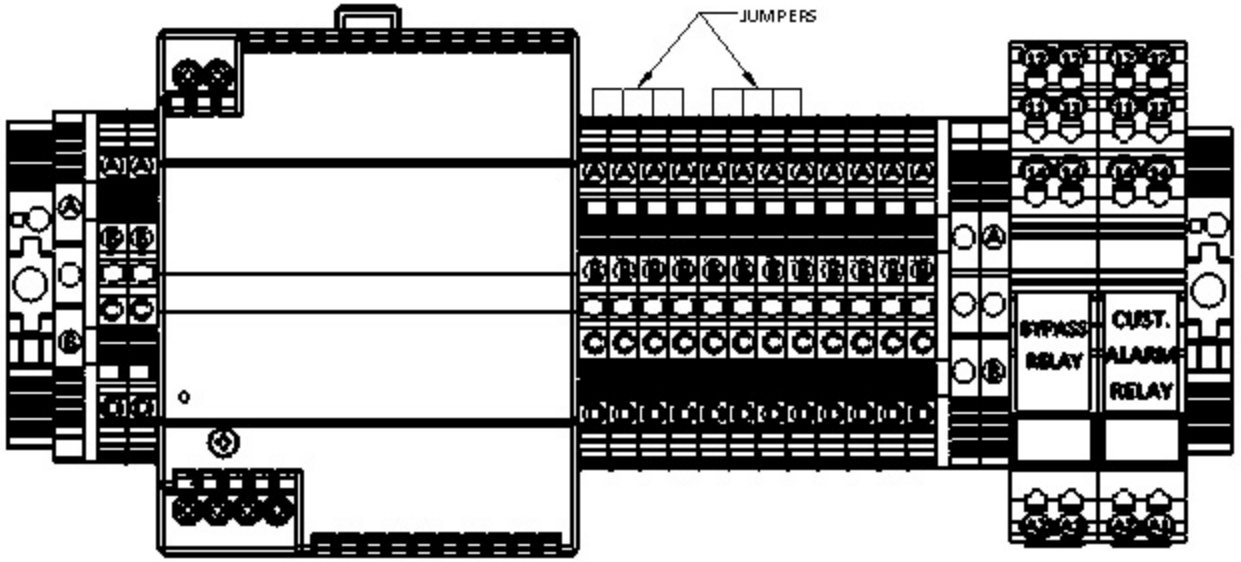
ES-TYP5P-A01, TYP5P, ELECTRICAL SCHEMATIC FOR EQUIPMENT ALARM - Rev. 1





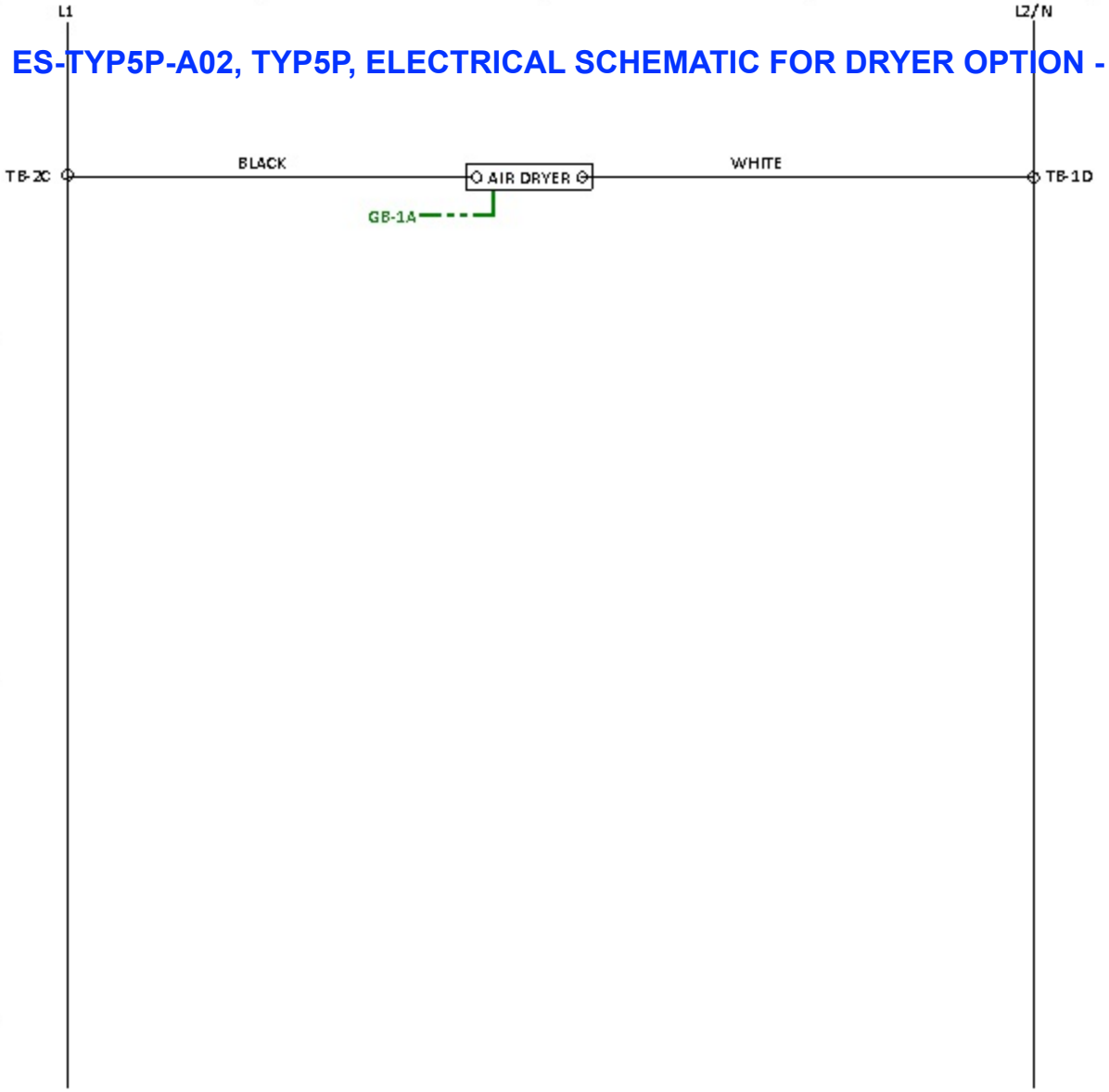
GENERAL NOTES:

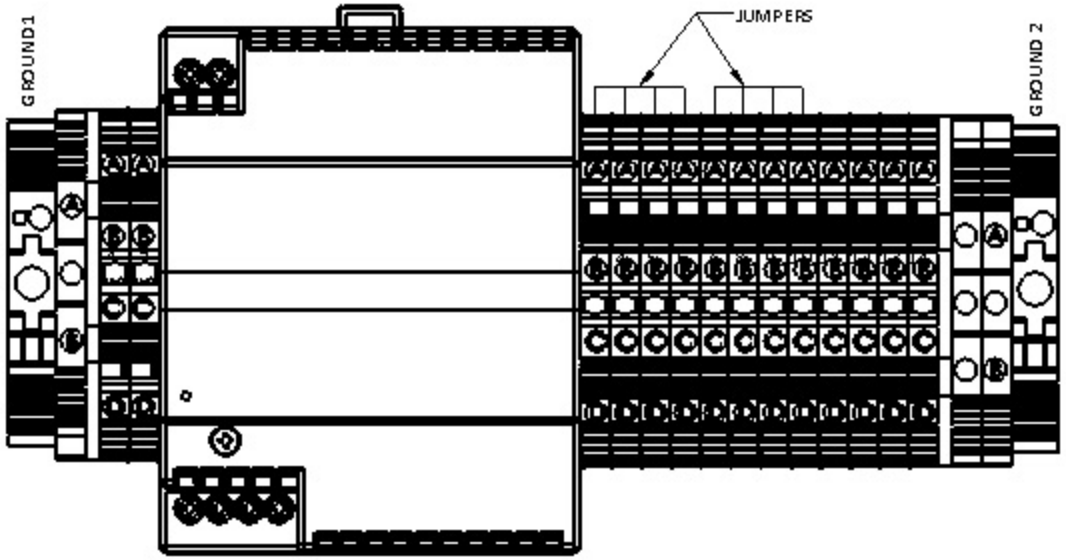
(1) TERMINAL BLOCKS 1 AND 2 OPEN FACE LEFT, GROUND 1 OPEN FACE RIGHT.

(2) TERMINAL BLOCKS 3-13 OPEN FACE RIGHT, GROUND 2 OPEN FACE LEFT.

WIRING TABLE			
AWG	COLOR	SERVICE	FIELD / INTERNAL
16-18	BROWN	24 VDC +	INTERNAL
16-18	BLUE	0V	INTERNAL
16-22	GREY	SIGNAL	INTERNAL

ES-TYP5P-A02, TYP5P, ELECTRICAL SCHEMATIC FOR DRYER OPTION - Rev. 1





GENERAL NOTES:

(1) TERMINAL BLOCKS 1 AND 2 OPEN FACE LEFT, GROUND 1 OPEN FACE RIGHT.

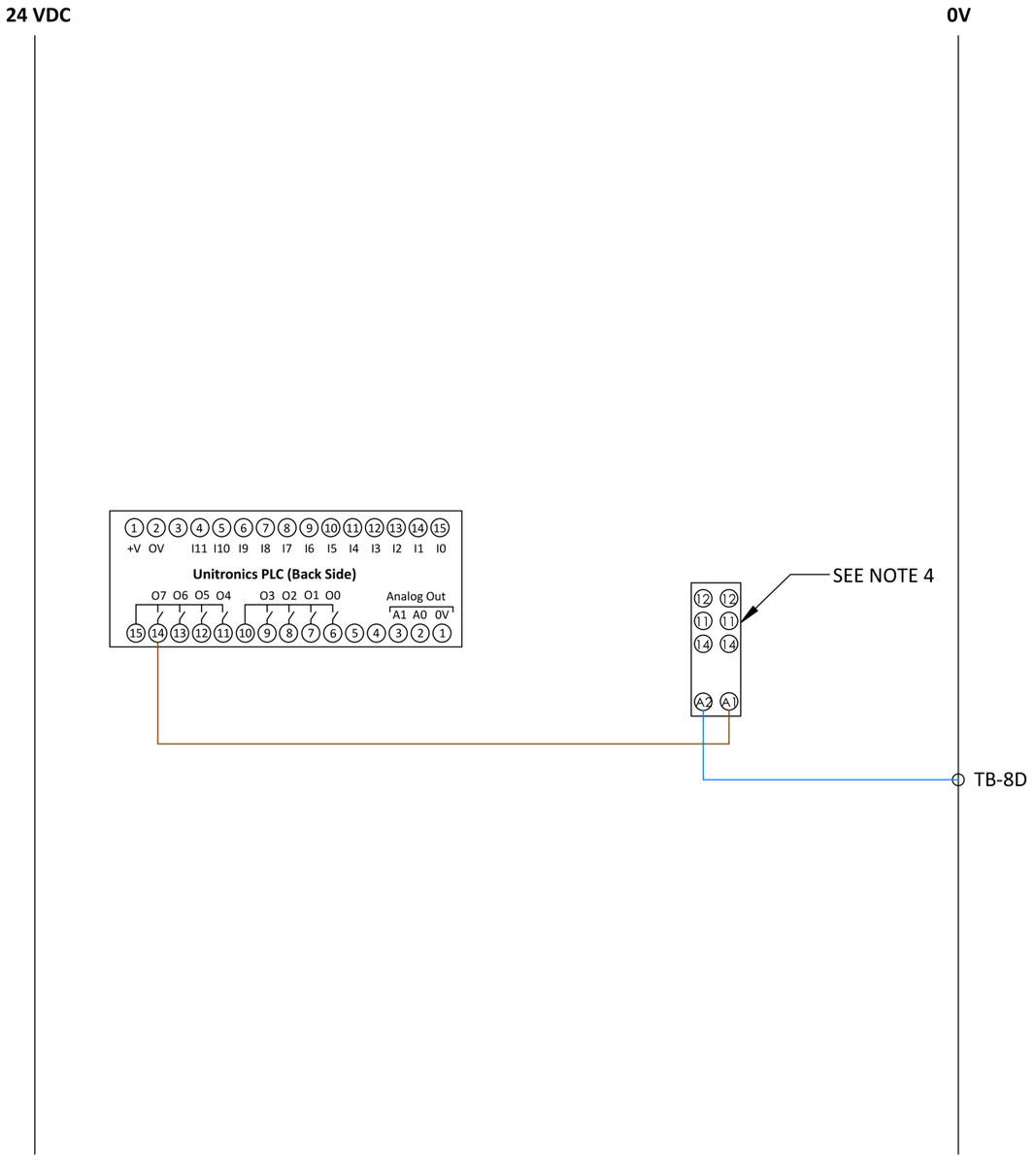
(2) TERMINAL BLOCKS 3-13 OPEN FACE RIGHT, GROUND 2 OPEN FACE LEFT.

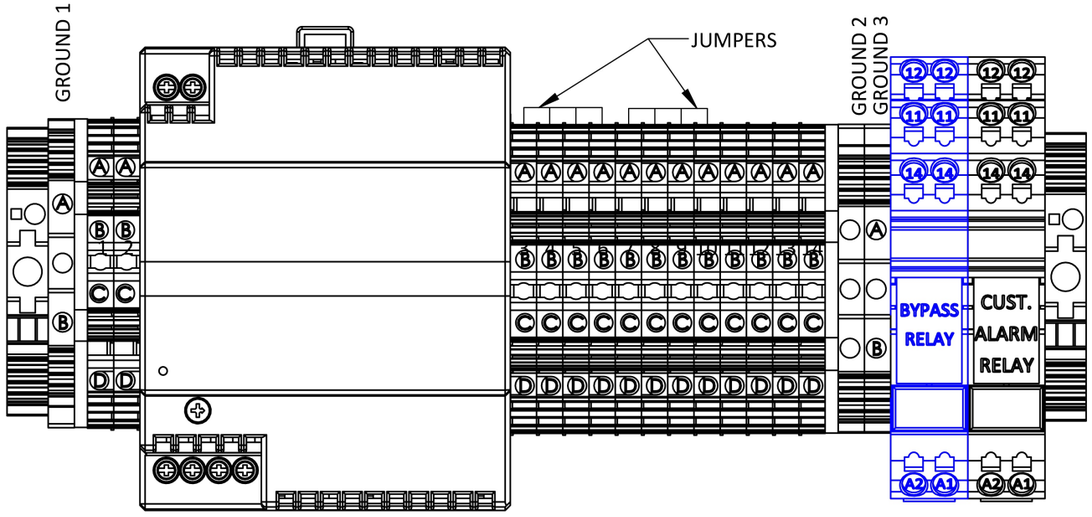
(3) FERRITE CORE NEEDS TO BE INSTALLED WITHIN 2" OF TERMINAL AND WRAPPED A MIN. OF 2X.

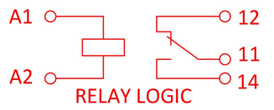
(4) MUST ENSURE THAT CORD FOR 110/220VAC DRYER CIRCUIT SEPARATED FROM 24 VDC BY 3 INCHES, CROSS PERPENDICULAR WHEN NECESSARY.

Wiring Table			
AWG	COLOR	SERVICE	FIELD / INTERNAL
14	CUST. CHOICE	110/220 VAC	FIELD
14	BLACK	110/220 VAC - L1	INTERNAL
14	WHITE	110/220 VAC - L2/N	INTERNAL
14	GREEN	GROUND	FIELD/INTERNAL
16-18	BROWN	24 VDC +	INTERNAL
16-18	BLUE	0V	INTERNAL
16-22	GREY	SIGNAL	INTERNAL

ES-TYP5P-A03, TYP5P, ELECTRICAL SCHEMATIC FOR BLASTOFF - Rev. 1







GENERAL NOTES:

(1) TERMINAL BLOCKS 1 AND 2 OPEN FACE LEFT, GROUND 1 OPEN FACE RIGHT.

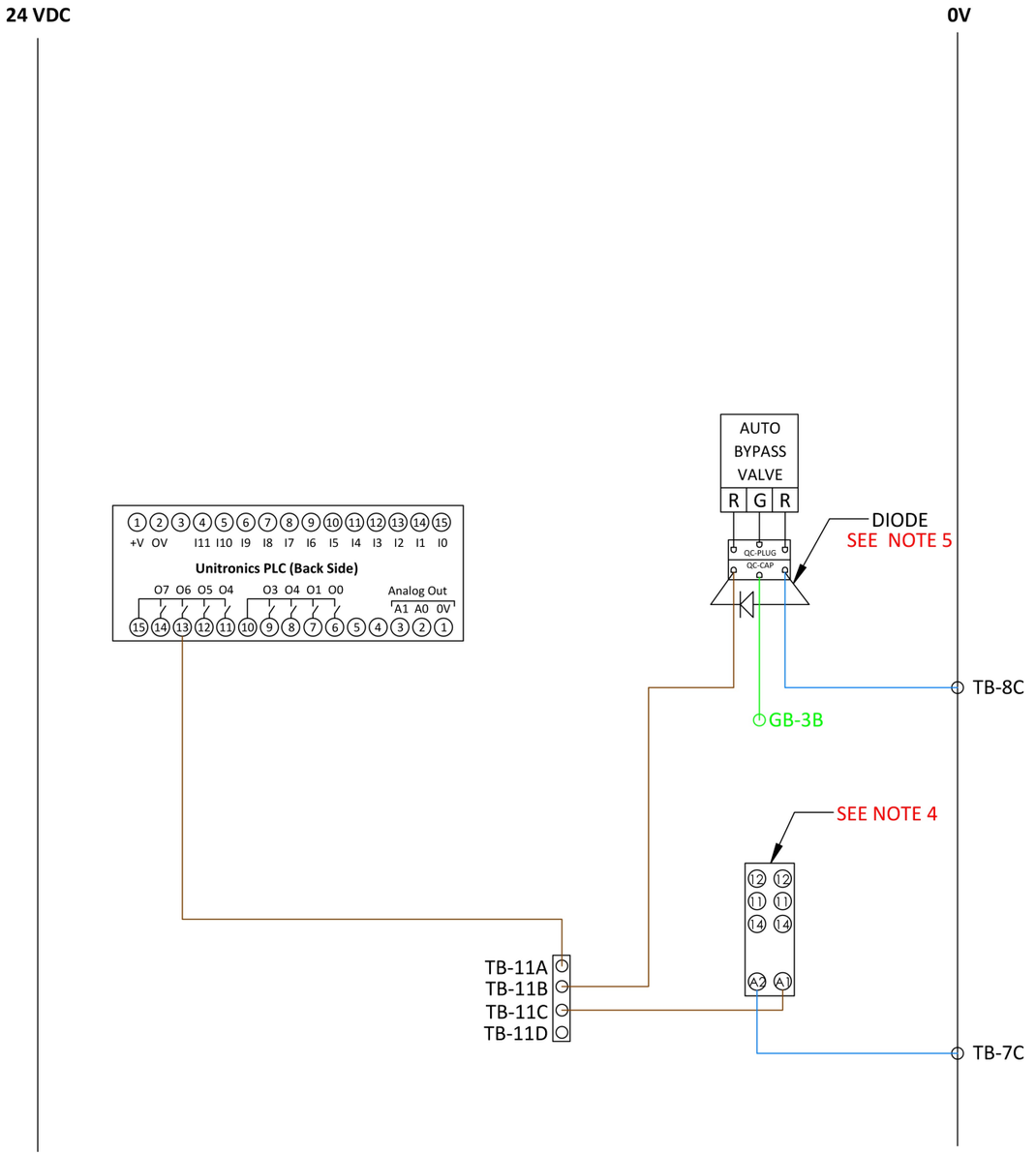
(2) TERMINAL BLOCKS 3-13 OPEN FACE RIGHT, GROUND 2 OPEN FACE LEFT.

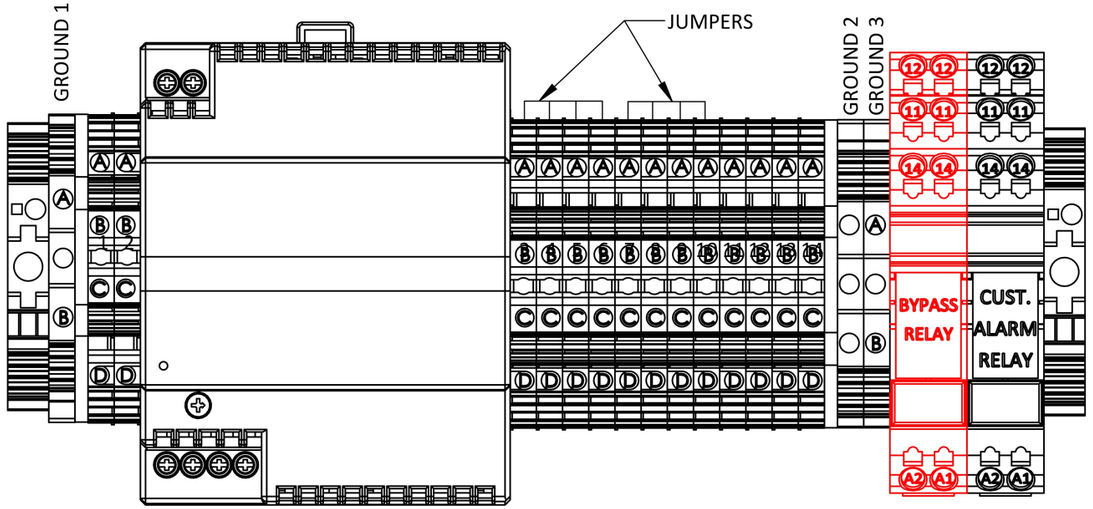
(3) FERRITE CORE NEEDS TO BE INSTALLED WITHIN 2" OF TERMINAL AND WRAPPED A MIN. OF 2X.

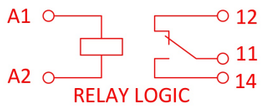
(4) IF ALARM IS ACTIVE 11-14 WILL BE CLOSED AND 11-12 WILL BE OPEN.

WIRING TABLE			
AWG	**COLOR**	**SERVICE**	**FIELD / INTERNAL**
16-18	BROWN	24 VDC +	INTERNAL
16-18	BLUE	0V	INTERNAL
16-22	GREY	SIGNAL	INTERNAL

ES-TYP5P-A04, TYP5P, ELECTRICAL SCHEMATIC FOR AUTO BYPASS - Rev. 2







GENERAL NOTES:

(1) TERMINAL BLOCKS 1 AND 2 OPEN FACE LEFT, GROUND 1 OPEN FACE RIGHT.

(2) TERMINAL BLOCKS 3-13 OPEN FACE RIGHT, GROUND 2 OPEN FACE LEFT.

(3) FERRITE CORE NEEDS TO BE INSTALLED WITHIN 2" OF TERMINAL AND WRAPPED A MIN. OF 2X.

(4) IF ALARM IS ACTIVE 11-14 WILL BE CLOSED AND 11-12 WILL BE OPEN.

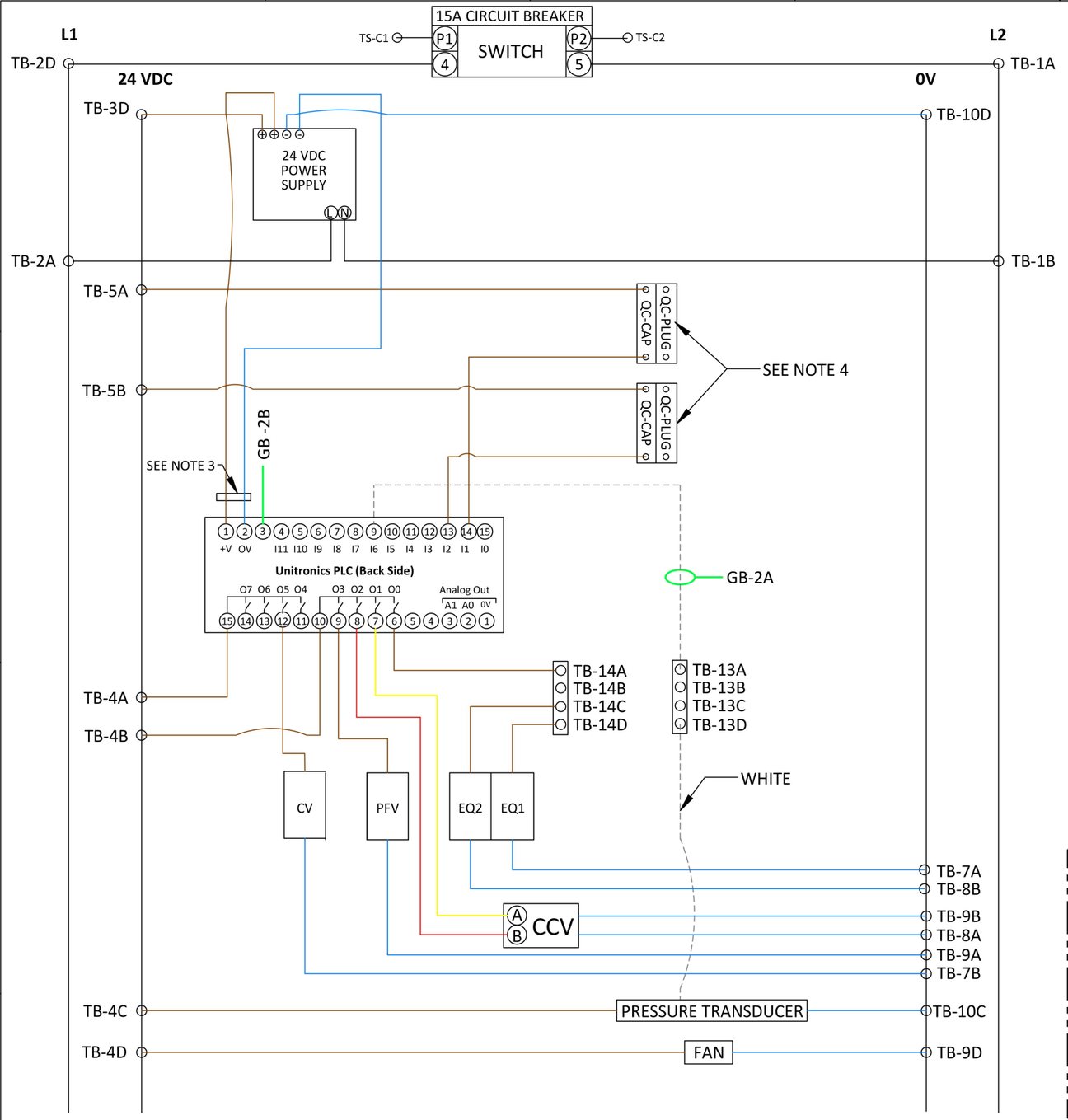
(5) THE DIODE SHOULD BE CONNECTED AS NEAR TO THE SOLENOID AS POSSIBLE. THE CATHODE (STRIPED SIDE OF THE DIODE) SHOULD FACE THE HIGHER VOLTAGE END OF THE SOLENOID (24V).

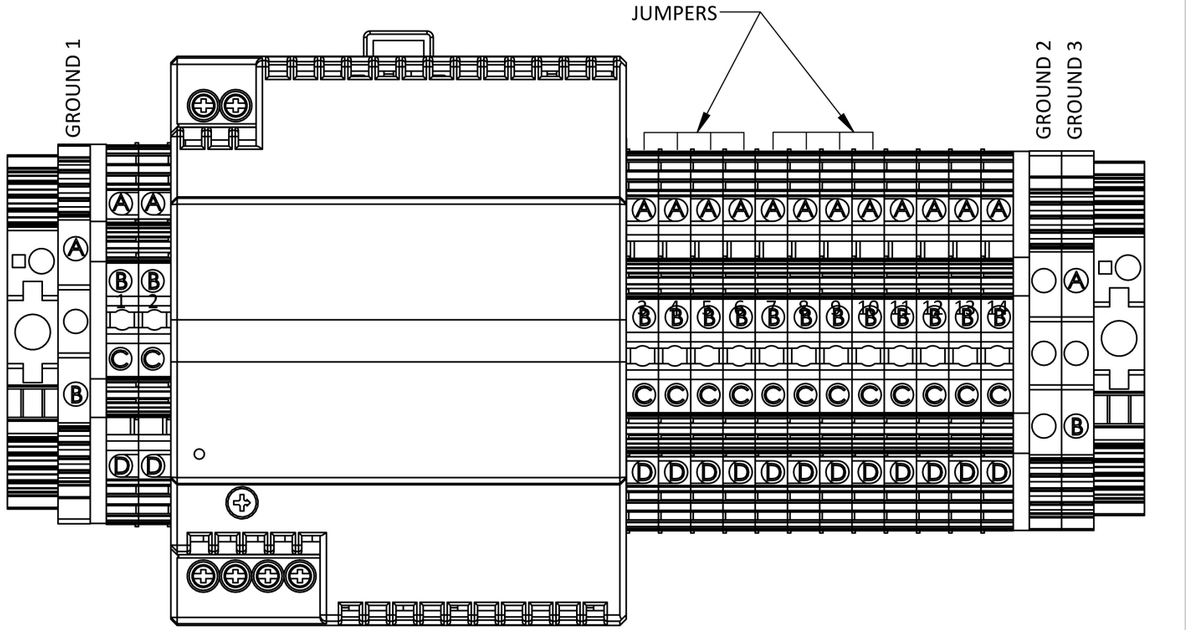
WIRING TABLE

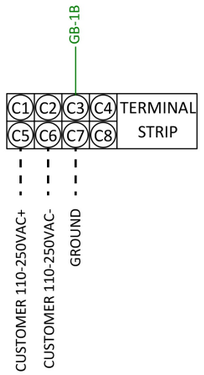
AWG	COLOR	SERVICE	FIELD / INTERNAL
16-18	BROWN	24 VDC +	INTERNAL
16-18	BLUE	0V	INTERNAL
14-16	GREEN	GROUND	INTERNAL
16-22	GREY	SIGNAL	INTERNAL

TYP5P ELECTRICAL CONN W CCV

ES-TYP5P, TYP5P, STANDARD ELECTRICAL SCHEMATIC (1) - Rev. 3







UNITRONICS PROGRAM:
(SEE PROJECT CHECKLIST FOR CURRENT VERSION)
JUMPER SETTINGS:

1 - B	8 - B
2 - B	9 - A
3 - B	10 - A
4 - B	11 - A
5 - A	12 - B
6 - A	13 - A
7 - A	14 - A

GENERAL NOTES:

(1) TERMINAL BLOCKS 1 AND 2 OPEN FACE LEFT, GROUND 1 OPEN FACE RIGHT.
(2) TERMINAL BLOCKS 3-13 OPEN FACE RIGHT, GROUND 2 OPEN FACE LEFT.
(3) FERRITE CORE NEED TO BE INSTALLED WITHIN 2" OF TERMINAL AND WRAPPED A MIN. OF 2X.
(4) PRE WIRED FOR EQUIPMENT ALARM.
(5) PRODUCTS SUPPLY VOLTAGE IS FACTORY CONFIGURED AND MAY NOT BE CHANGED POST BUILD. STANDARD ELECTRICAL IS 110V. ALTERNATE VOLTAGE AVAILABLE IN -220 AND -CE PRODUCTS. SEE PRODUCT INFORMATION LABEL FOR CONFIRMATION OF SPECIFICATIONS.

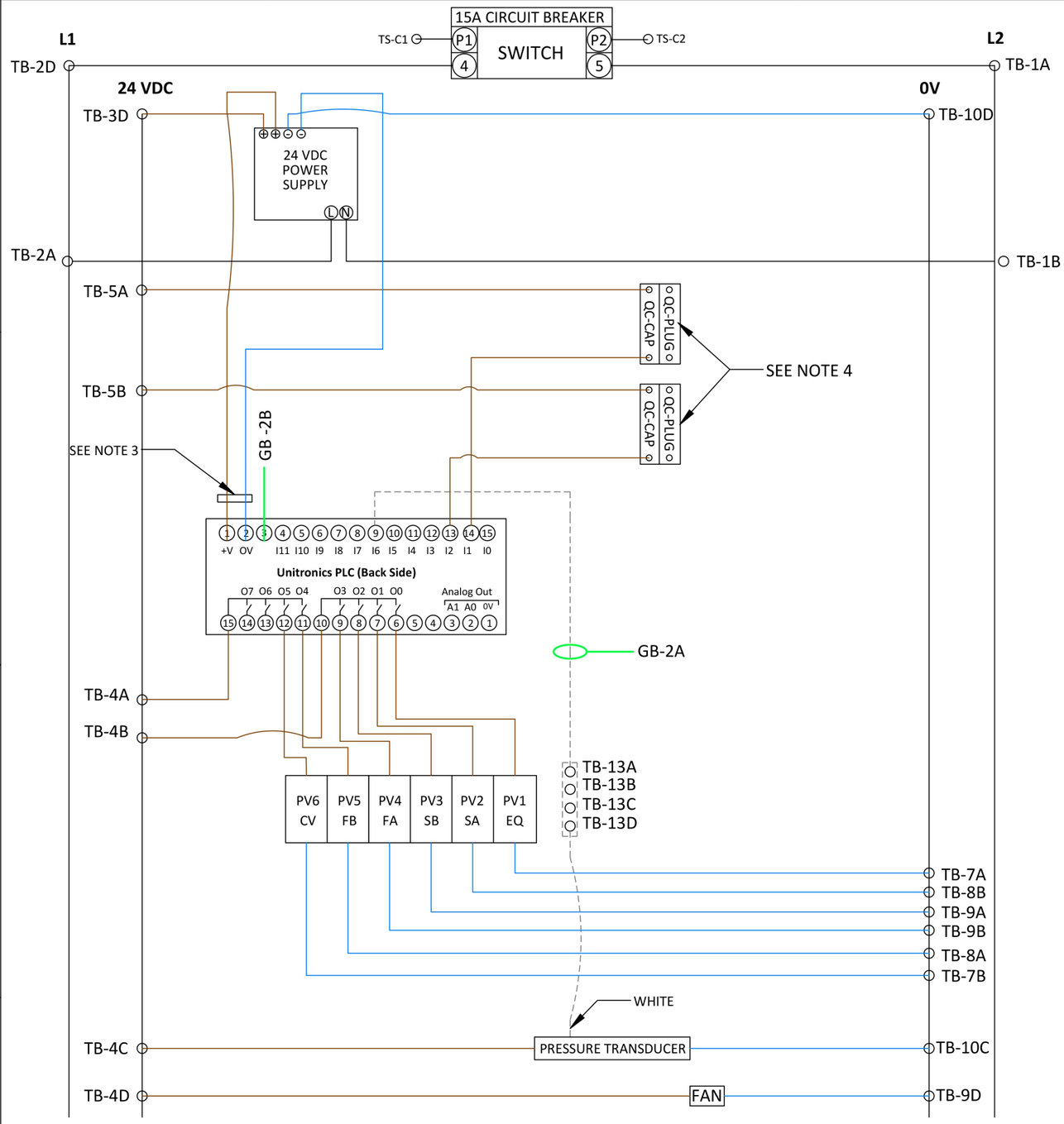
TORQUE SPECIFICATIONS	
ITEM	**MIN - MAX**
PLC	0.5 Nm MAX
POWER SUPPLY	0.67 Nm MAX

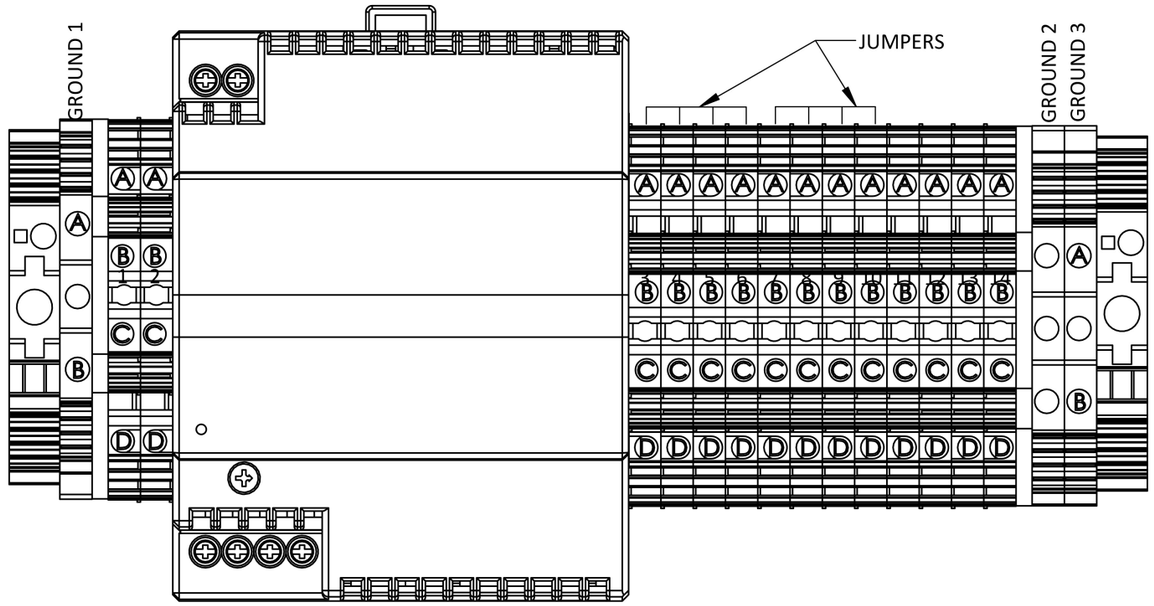
Wiring Table

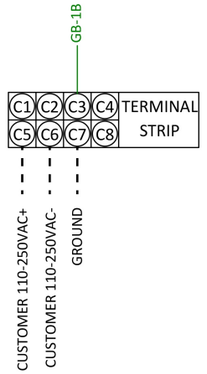
AWG	COLOR	SERVICE	FIELD / INTERNAL
14	CUST. CHOICE	110/220 VAC	FIELD
14	BLACK	110/220 VAC - L1	INTERNAL
14	WHITE	110/220 VAC - L2/N	INTERNAL
14	GREEN/YELLOW	GROUND	FIELD/INTERNAL
16-18	BROWN	24 VDC +	INTERNAL
16-18	BLUE	0V	INTERNAL
16-22	GREY	SIGNAL	INTERNAL

TYP5P ELECTRICAL CONNECTIONS

ES-TYP5P, TYP5P, STANDARD ELECTRICAL SCHEMATIC (2) - Rev. 3







UNITRONICS PROGRAM:
(SEE PROJECT CHECKLIST FOR CURRENT VERSION)
JUMPER SETTINGS:

1 - B	8 - B
2 - B	9 - A
3 - B	10 - A
4 - B	11 - A
5 - A	12 - B
6 - A	13 - A
7 - A	14 - A

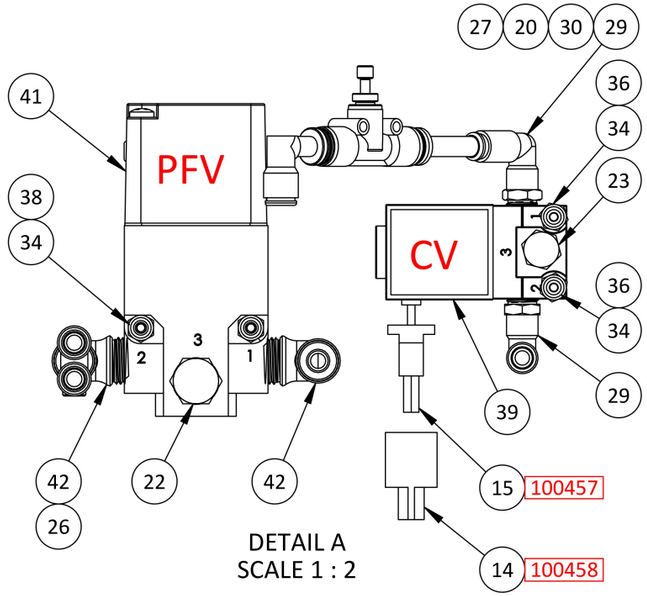
GENERAL NOTES:

(1) TERMINAL BLOCKS 1 AND 2 OPEN FACE LEFT, GROUND 1 OPEN FACE RIGHT.
(2) TERMINAL BLOCKS 3-13 OPEN FACE RIGHT, GROUND 2 OPEN FACE LEFT.
(3) FERRITE CORE NEED TO BE INSTALLED WITHIN 2" OF TERMINAL AND WRAPPED A MIN. OF 2X.
(4) PRE WIRED FOR EQUIPMENT ALARM.
(5) PRODUCTS SUPPLY VOLTAGE IS FACTORY CONFIGURED AND MAY NOT BE CHANGED POST BUILD. STANDARD ELECTRICAL IS 110V. ALTERNATE VOLTAGE AVAILABLE IN -220 AND -CE PRODUCTS. SEE PRODUCT INFORMATION LABEL FOR CONFIRMATION OF SPECIFICATIONS.

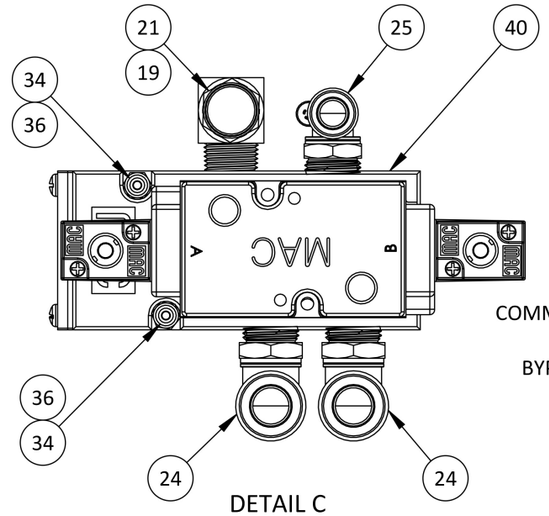
TORQUE SPECIFICATIONS	
ITEM	**MIN - MAX**
PLC	0.5 Nm MAX
POWER SUPPLY	0.67 Nm MAX

Wiring Table			
AWG	**COLOR**	**SERVICE**	**FIELD / INTERNAL**
14	CUST. CHOICE	110/220 VAC	FIELD
14	BLACK	110/220 VAC - L1	INTERNAL
14	WHITE	110/220 VAC - L2/N	INTERNAL
14	GREEN/YELLOW	GROUND	FIELD/INTERNAL
16-18	BROWN	24 VDC +	INTERNAL
16-18	BLUE	0V	INTERNAL
16-22	GREY	SIGNAL	INTERNAL

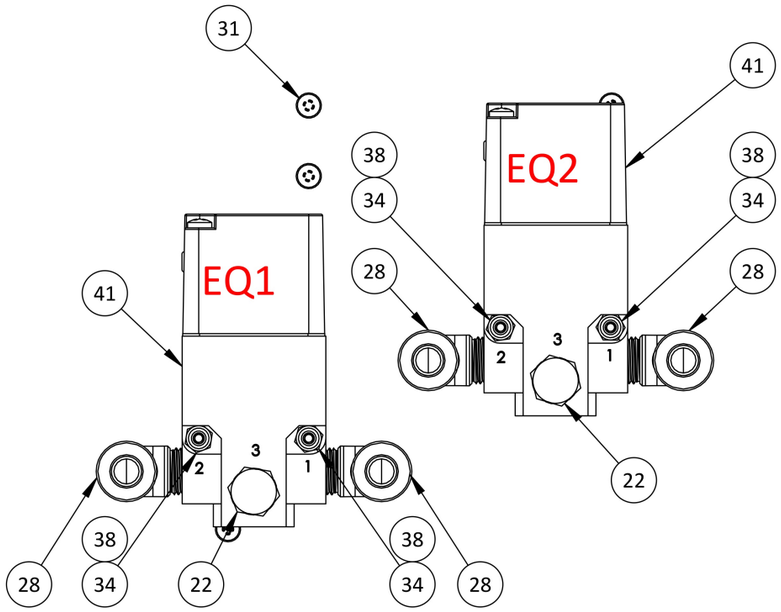
TYP5P-07-B, TYP5P, ELECTRICAL ASSEMBLY B (1)



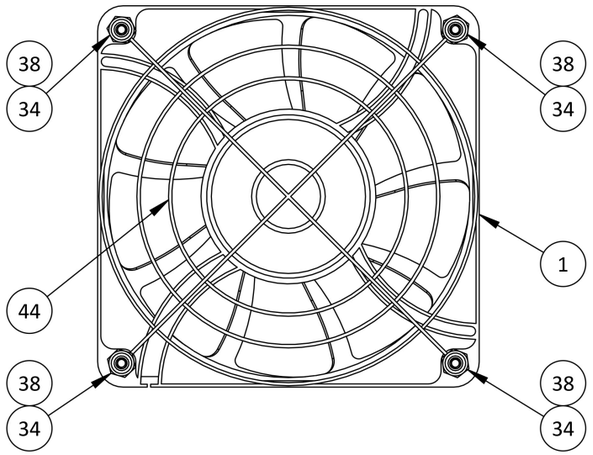
DETAIL A
SCALE 1 : 2

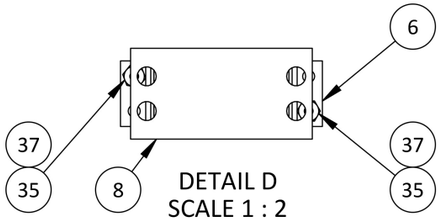


DETAIL C
SCALE 1 : 2

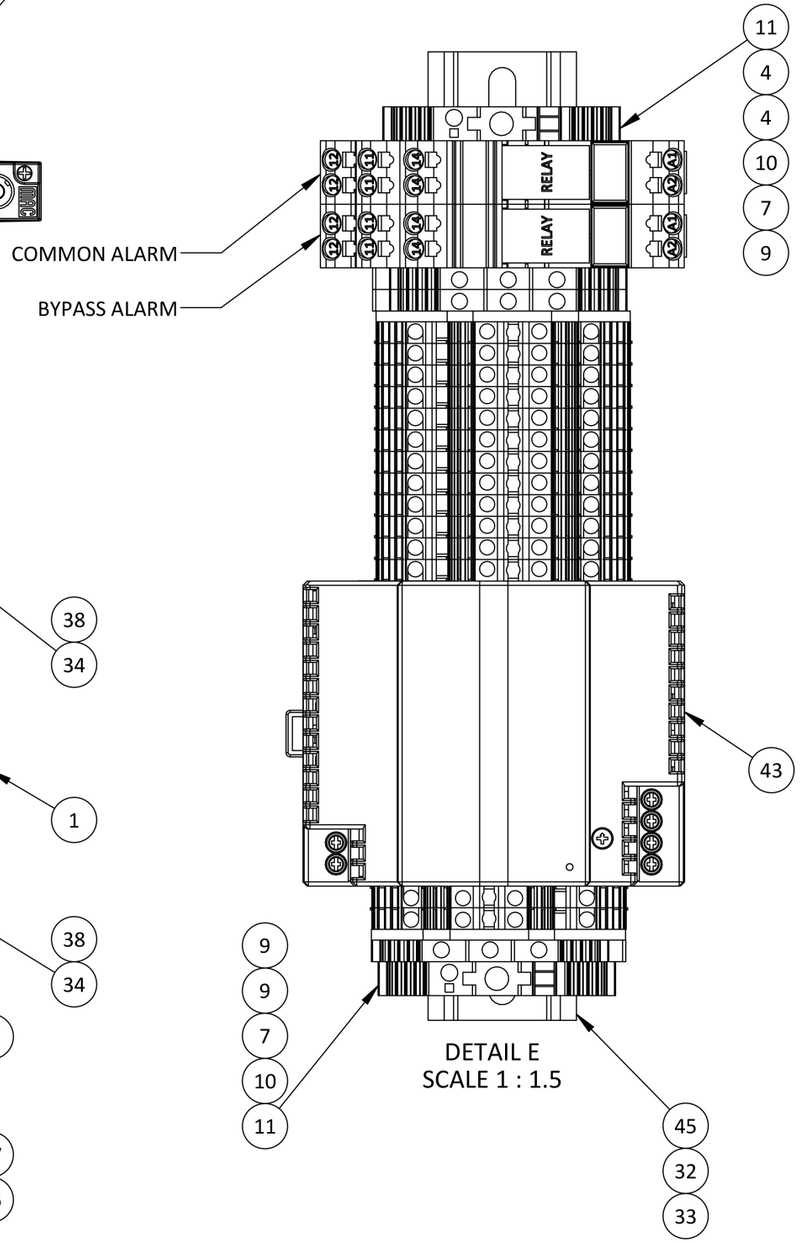


DETAIL B
SCALE 1 : 2

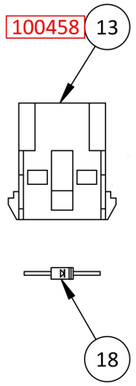




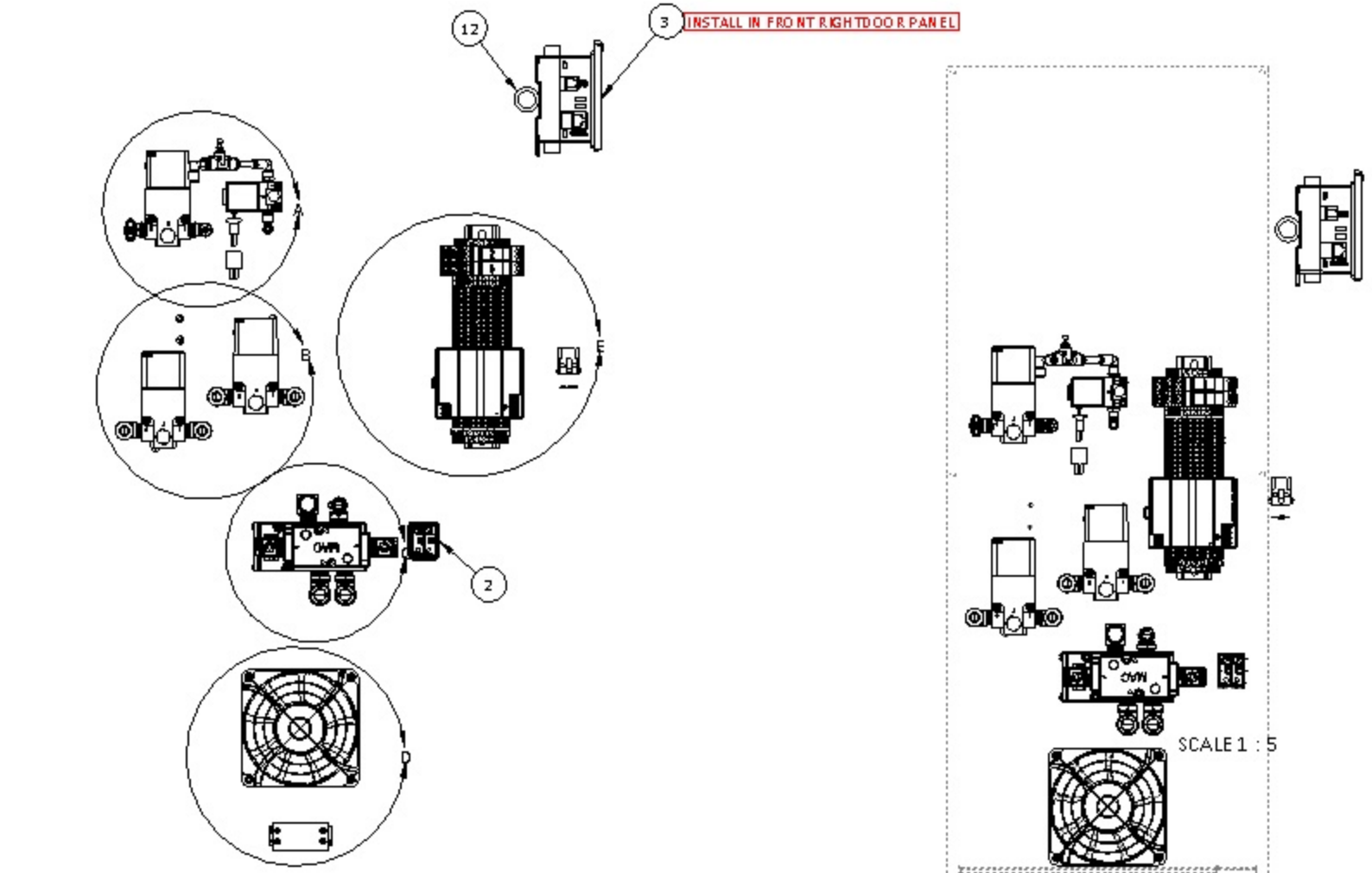
DETAIL D
SCALE 1 : 2



DETAIL E
SCALE 1 : 1.5



TYP5P-07-B, TYP5P, ELECTRICAL ASSEMBLY B (2)



ITEM #	NUMBER	DESCRIPTION	QTY.
1	100041	COOLING FAN, 105 CFM, 24VDC	1
2	100145	CIRCUIT BREAKER, 15A, DPDT, W COLLAR	1
3	100224	PROGRAMMABLE LOGIC CONTROLLER	1
4	100557	WAGO RELAY, 24 VDC	2
5	100575	SD CARD	1
6	100579	4 POSITION TERMINAL BLOCK	1
7	100581	DIN MOUNT TERMINAL BLOCK END COVER	2
8	100588	MINI TERMINAL BLOCK COVER	1
9	100592	TERMINAL BLOCK, 4 POS 26-12AWG	14
10	100597	GROUND BLOCK, DIN RAIL MOUNT	5
11	100401	SNAP ON TERMINAL BLOCK END BRACKET, POLYMIDE	2
12	100446	FERRITE CORE, UNIVERSAL POWER WIRE	1
13	100452	5 PIN CAP	1
14	100455	2 PIN CAP, UNIVERSAL MATE-N-LOCK	1
15	100456	2 PIN PLUG, UNIVERSAL MATE-N-LOCK	1
16	100457	MALE UNIVERSAL PIN, 20-14 AWG, PRE-TINNED BRASS	2
17	100458	FEMALE UNIVERSAL SOCKET	3
18	100464	1N4004 DIODE, 1A, 400V	1
19	101297	0.375 NPT STREET ELBOW, BRASS	1
20	101464	0.250 OD PTC FLOW CONTROL	1
21	101528	0.375 NPT COMPACT HIGH FLOW MUFFLER, STEEL	1
22	101905	0.250 HEX PLUG, BRASS	5
23	101905	0.125 NPT HEX PLUG, BRASS	1
24	102049	0.375 NPT X 0.3000 OD PTC SWIVEL ELBOW	2
25	102051	0.375 NPT X 0.375 OD PTC ELBOW	1
26	102054	0.250 OD STEM WYE	1
27	102055	0.250 STEM X 0.250 OD PTC ELBOW	1
28	102064	0.250 NPT X 0.375 OD PTC ELBOW	4
29	102073	0.125 NPT X 0.2500 OD PTC SWIVEL ELBOW	2
30	102092	0.250 STEM UNION, METAL	1
31	102573	0.125" PUSH-IN METAL PLUG	8
32	102602	#8 FLAT WASHER, ZINC FINISH	2
33	102682	8-32 KEPS NUT	2
34	102683	6-32 KEPS NUT	14
35	102691	4-40 HEX NUT	2
36	102791	6-32 X 0.250 PPHMS	4
37	102792	4-40 X 0.500 PPHMS	2
38	102794	6-32 X 0.375" PPHMS	10
39	103237	0.125" NPT 3-WAY SOLENOID VALVE, 24 VDC	1
40	103263	0.375" NPT CENTER CLOSED SOLENOID VALVE, 24 VDC	1
41	103270	0.250" 3-WAY SOLENOID VALVE, 24VDC/110VAC	5
42	103917	0.250 NPT X 0.2500 OD PTC SWIVEL ELBOW	2
43	111249	PWR SUPPLY, 100-240, 24V, 100W	1
44	100059	STEEL FAN GUARD FOR 4.69" FAN	1
45	999799	DIN RAIL, PER INCH	9

GENERAL NOTES:

(1) LEAVE 32" FLYING LEAD OF SHIELDED SIGNAL WIRE FOR MO2 OPTION.