

MODEL: VDA-4A9 G4, VDA-5A9 G4

**ESCO**  
LIFESCIENCES GROUP

ELECTRICAL CIRCUIT DIAGRAM  
MODEL : VDA-4/5A9 G4

DWG TITLE : EP-VDA-4/5A9-G4

REV	DRAWN	CHECKED	REL. DATE	REMARK
A	INDRA W	INDRA S	2023-12-29	Initial Release

NO	COLOR	AWG
1	Brown	14
2	Blue	14
3	G/Y	14
4	Brown	14
5	Blue	14
6	G/Y	14
7	Brown	16
8	Blue	16
9	G/Y	16
10	Red	18
11	Black	18
12	Brown	16
13	Brown	16
14	G/Y	16
15	Red	18
16	Black	18
17	Red	18
18	Black	18
19	Brown	14
20	Brown	14
21	Blue	14
22	G/Y	14
23	Black	18

### LED Lighting

NO	COLOR	AWG
107	Black	18
108	White	18
110	Red	18
111	Blue	18
112	Red	18
113	Blue	18
114	Purple	18
115	Gray	18

### UV Ballast

NO	COLOR	AWG
161	Black	18
162	White	18
164	Red	18
165	Yellow	18
173	Red	18
174	Red	18
175	Blue	18
176	Blue	18

### Socket Outlet

NO	COLOR	AWG
191	Brown	16
192	Blue	16
193	G/Y	16
194	Brown	16
195	Blue	16
196	G/Y	16
215	Brown	16
216	Blue	16
217	G/Y	16
218	Brown	16
219	Blue	16
220	G/Y	16

### Blower

NO	COLOR	AWG
239	Brown	14
240	Blue	14
241	G/Y	14
242	Black	14
247	Red	22
248	White	22
249	Green	22
250	Black	22

### Airflow Sensor

NO	COLOR	AWG
283	White	22
284	Black	22
285	Red	22
286	Green	22

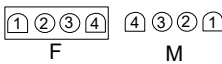
### Hydraulic Motor

NO	COLOR	AWG
269	Brown	16
270	Blue	16
271	G/Y	16
272	Red	22
273	Green	22
274	Black	22

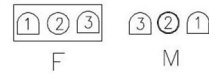
### Connector X6, X9



### Connector X5



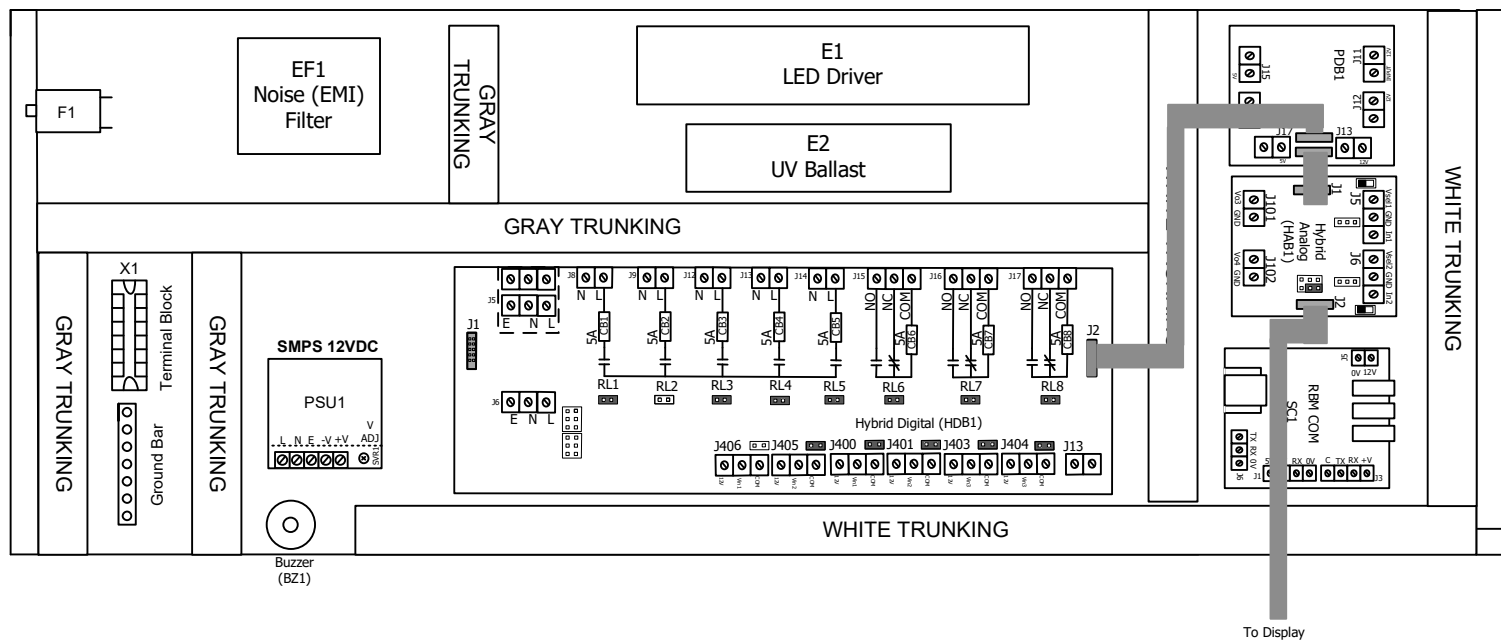
### Connector X11, X12



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Legend :

Jumper

No Jumper

Ribbon Flex Cable with Connector

Ribbon Flex Cable

I2C Termination

Selector Switch

White Trunking for DC line

Gray Trunking for AC line

## ELECTRICAL PANEL LAYOUT



ELECTRICAL CIRCUIT DIAGRAM

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