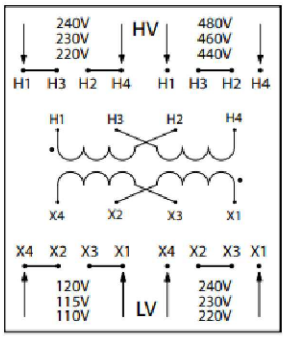
REV	DESCRIPTION	DATE
A	PRODUCTION RELEASE	03/11/2021

IND-HVAC-ACS-R1-DE-48-3L-XB-N3R-460V

LARSON ELECTRONICS®

SP*MQMJ Schematic Connections for 240 X 480 to 120 X 240**

FS*MQMJ Schematic Connections for 240 X 480 to 120 X 240**



High Voltage (HV) (Primary Volts)			Install Supplied Jumpers Between Terminals	Supply Lines Connect To
240	230	220	H1-H3, H2-H4	H1, H4
480	460	440	H2-H3	H1, H4

Low Voltage (LV) (Secondary Volts)			Install Supplied Links Between Terminals	Load Lines Connect To
120	115	110	X1-X3, X2-X4	X1, X4
240	230	220	X2-X3	X1, X4

500VA 240/480 INPUT 120/240 OUTPUT

XF1-101.06

460V LINE — CBL1-101.02/BLK — H1 — BLK_16AWG — X1

LINK H2-H3

LINK X1-X3 , X2-X4

460V LINE — CBL1-101.02/WHT — H4 — X4 — WHT_16AWG

GROUND — CBL1-101.02/GRN — W5

120W ELECTRONIC BALLAST PW1-101.11

GRN_16AWG — GND
BLK_16AWG — L
BLK_16AWG — L
WHT_16AWG — N
WHT_16AWG — N

11 10 9 8 7 6

RED_18AWG — RED_18AWG — W3

CURRENT SWITCH CR1-101.10 NO 101.22 NC

CBL1-101.10/BLK

4FT 120W T8 UVC DV1-101.10

BLU_18AWG — BLU_18AWG — W3

CBL1-101.10/WHT — 10FT CABLE

120W ELECTRONIC BALLAST PW1-101.16

GRN_16AWG — GND
BLK_16AWG — L
BLK_16AWG — L
WHT_16AWG — N
WHT_16AWG — N

11 10 9 8 7 6

RED_18AWG — RED_18AWG — W3

CURRENT SWITCH CR1-101.14 NO 101.25 NC

CBL1-101.14/BLK

4FT 120W T8 UVC DV1-101.15

BLU_18AWG — BLU_18AWG — W3

CBL1-101.14/WHT — 10FT CABLE

120W ELECTRONIC BALLAST PW1-101.20

GRN_16AWG — GND
BLK_16AWG — L
BLK_22AWG — L
WHT_16AWG — N
WHT_22AWG — N

11 10 9 8 7 6

RED_18AWG — RED_18AWG — W3

CURRENT SWITCH CR1-101.19 NO 101.27 NC

CBL1-101.19/BLK

4FT 120W T8 UVC 1-101.19

BLU_18AWG — BLU_18AWG — W3

CBL1-101.19/WHT — 10FT CABLE

WRAP CURRENT SWITCHES 6 TIMES

CURRENT SWITCH CR1-101.10 — BLK_22AWG — W5 — 101.10 — BLK_20AWG — INDICATOR LIGHT RED LT1-101.21C (R) — WHT_22AWG — W5

CURRENT SWITCH CR1-101.14 — BLK_22AWG — 101.14 — BLK_20AWG — INDICATOR LIGHT RED LT1-101.21B (R) — WHT_22AWG

CURRENT SWITCH CR1-101.19 — BLK_22AWG — 101.19 — BLK_20AWG — INDICATOR LIGHT RED LT1-101.21 (R) — WHT_22AWG

LARSON ELECTRONICS

9419 E US HWY 175,
KEMP, TX 75143

TITLE			
IND-HVAC-ACS-R1-DE-48-3L-XB-N3R-460V			
DRAWN BY	DATE	REV	
R.BLACK	03/11/2021	A	
CHECKED BY	SHEET #	DRAWING #	
S.DESAI	1 OF 2	101	

TAGS	QTY	CATALOG	DESCRIPTION
CR1-101.10 CR1-101.14 CR1-101.15	3	UNV00015374	Current Switch (Solid Core) - Trip Point: 0.5A
DV1-101.10 DV1-101.14 DV1-101.16	3	UNV00015393	2FT 60W UVC T8HO
LT1-101.21 LT1-101.21B LT1-101.21C	3	UNV00015469	NEON INDICATOR, RED
PW1-101.11 PW1-101.16	2	UNV00015311	120W ELECTRONIC BALLAST FOR UV LAMP
W5	2	UNV00009803	5-CONDUCTOR LEVER CLAMP WAGO
W3	7	UNV00011954	3-CONDUCTOR LEVER CLAMP WAGO
CBL1-101.16	13FT	UNV00002075	16/2 SOOW CABLE
CBL1-101.02	2FT	UNV00007524	16/3 SOOW UL 90C BLK
CBL1-101.10 CBL1-101.14	26FT	UNV00012175	18/3 SOOW CABLE
XF1-101.06	1	UNV00007069	Micro Transformer-500 VA-240/480V Input -120/240V Output

LARSON ELECTRONICS
9419 E US HWY 175,
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DRAWN BY	DATE	REV
R.BLACK	03/11/2021	A
CHECKED BY	SHEET #	DRAWING #
S.DESAI	2 OF 2	102