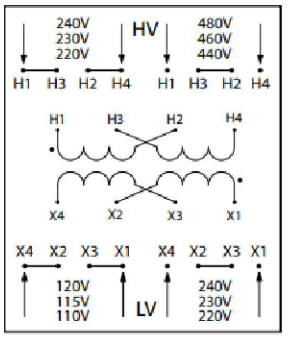
REV	DESCRIPTION	DATE
A	PRODUCTION RELEASE	03/11/2021

IND-HVAC-ACS-R1-DE-24-4L-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

LINK H2-H3

LINK X1-X3 , X2-X4

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

GROUND — CBL1-101.02/GRN — W3

10FT CABLE

120W ELECTRONIC BALLAST PW1-101.11

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

11 RED_18AWG — CURRENT SWITCH CR1-101.10 NO 101.22 NC — CBL1-101.10/BLK — 2FT 60W T8 UVC DV1-101.10
10 RED_18AWG — W3
9 GRN_18AWG — CBL1-101.10/GRN, CBL1-101.10/WHT
8 WHT_18AWG — W3 W3 — CBL1-101.14/WHT, CBL1-101.14/GRN
7 BLU_18AWG
6 BLU_18AWG — W3 — CBL1-101.14/BLK — CR1-101.14 CURRENT SWITCH NO 101.24 NC — 2FT 60W T8 UVC DV1-101.14

120W ELECTRONIC BALLAST PW1-101.16

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

11 RED_18AWG — CURRENT SWITCH CR1-101.15 NO 101.27 NC — CBL1-101.15/BLK — 2FT 60W T8 UVC DV1-101.16
10 RED_18AWG — W3
9 GRN_18AWG — CBL1-101.15/GRN, CBL1-101.15/WHT
8 WHT_18AWG — W3 W3 — CBL1-101.19/WHT, CBL1-101.19/GRN
7 BLU_18AWG
6 BLU_18AWG — W3 — CBL1-101.19/BLK — CR1-101.19 CURRENT SWITCH NO 101.30 NC — 2FT 60W T8 UVC DV1-101.19

10FT CABLE

WRAP CURRENT SWITCHES 6 TIMES

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

CURRENT SWITCH CR1-101.14 — INDICATOR LIGHT RED LT1-101.21B
101.14

CURRENT SWITCH CR1-101.15 — INDICATOR LIGHT RED LT1-101.21
101.15

CURRENT SWITCH CR1-101.19 — INDICATOR LIGHT RED LT1-101.21A
101.19

LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143

TITLE			
IND-HVAC-ACS-R1-DE-24-4L-XB-N3R-460V			
DRAWN BY	R.BLACK	DATE	03/11/2021
REV	A		
CHECKED BY	S.DESAI	SHEET #	1 OF 2
DRAWING #	101		

TAGS	QTY	CATALOG	DESCRIPTION
CR1-101.10 CR1-101.14 CR1-101.15 CR1-101.19	4	UNV00015374	Current Switch (Solid Core) - Trip Point: 0.5A
DV1-101.10 DV1-101.14 DV1-101.16 DV1-101.19	4	UNV00015393	2FT 60W UVC T8HO
LT1-101.21 LT1-101.21A LT1-101.21B LT1-101.21C	4	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	9	UNV00011954	3-CONDUCTOR LEVER CLAMP WAGO
CBL1-101.02	2FT	UNV00007524	16/3 SOOW UL 90C BLK
CBL1-101.10 CBL1-101.14 CBL1-101.15 CBL1-101.19	52FT	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,
KEMP, TX 75143

TITLE			
IND-HVAC-ACS-R1-DE-24-4L-XB-N3R-460V			
DRAWN BY	DATE	REV	
R.BLACK	03/11/2021	A	
CHECKED BY	SHEET #	DRAWING #	
S.DESAI	2 OF 2	102	