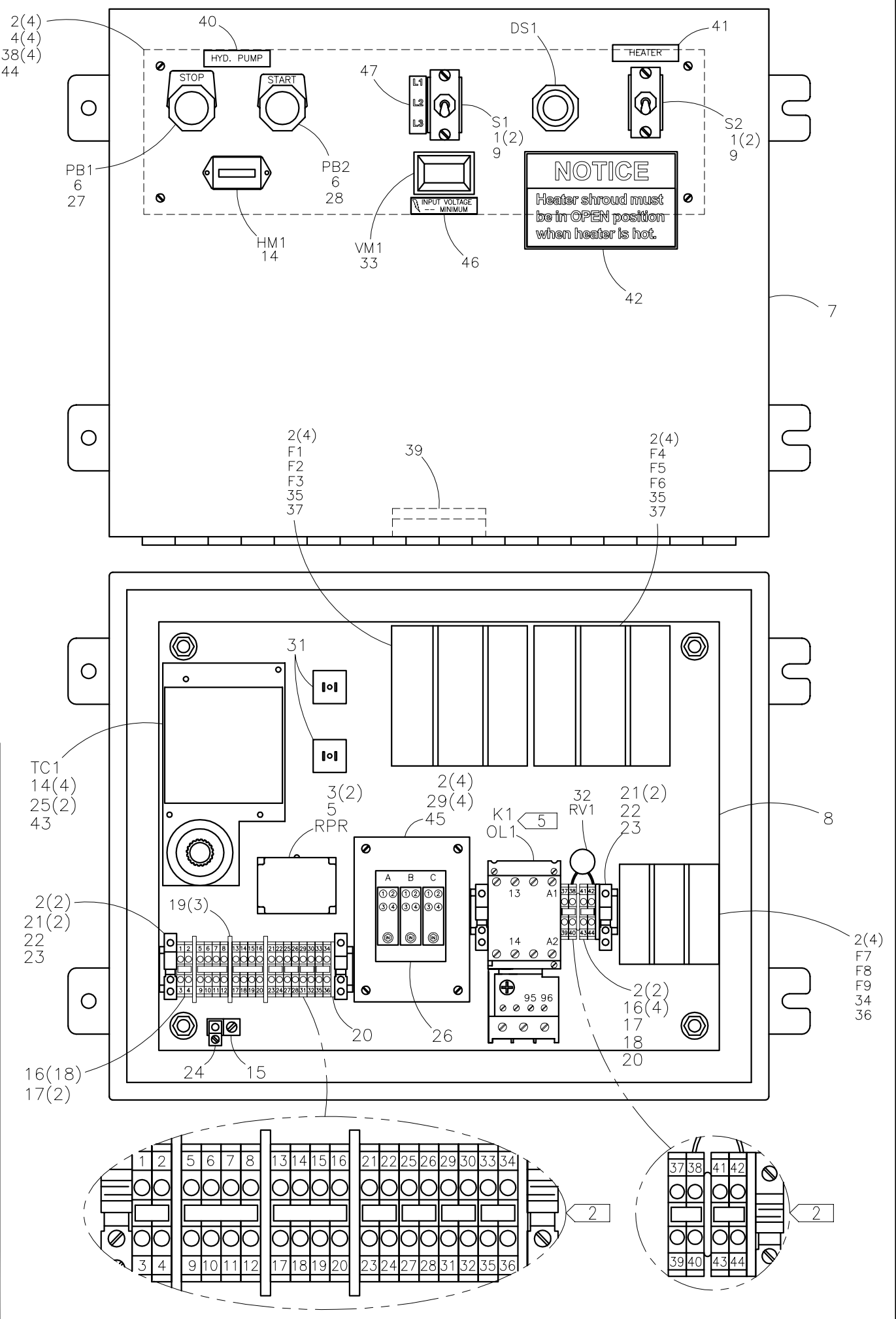


McElroy Manufacturing, Inc.
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 Tulsa, Oklahoma U.S.A.

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DRAWN: BEA CHECK: JPD APPROVD: RAD DATE: 12/31/98 DWG No.: 3603000 SHIT No.: 13 REV No.: F PART No.: 3603013 CAD No.: 3603013

CE #1236A CONTROL BOX ASSEMBLY 220-240V, 50/60Hz, 3Ph



CE #1236A CONTROL BOX ASSEMBLY
220-240V,50/60Hz, 3Ph

Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
	3603013		ASSEMBLY
DS1	MLN00019	1	240V RED PILOT LIGHT
F1, F2, F3	MLQ00028	6	45 AMP FUSE, FRN-R-45 (+3 SPARES)
F4, F5, F6	MLQ00031	6	60 AMP FUSE, FRN-R-60 (+3 SPARES)
F7, F8, F9	MLN00023	6	5 AMP FUSE, FRN-R-5 (+3 SPARES)
HM1	MKH00005	1	AC MULTI-RANGE HOUR METER
K1	MKJ00005	1	32A, 240V, 50/60Hz CONTACTOR
OL1	MLV00014	1	30-38 AMP OVERLOAD
PB1, PB2	MKC00001	2	PUSH-BUTTON
RPR	MKB00003	1	REVERSE PHASE RELAY
RV1	MQH00031	1	275V, 23 JOULE METAL OXIDE VARISTOR
S1	MKE00009	1	TOGGLE SWITCH
S2	MKE00006	1	TOGGLE SWITCH
TC1	841101	1	TEMPERATURE CONTROL MODIFICATION
VM1	MKH00080	1	PANEL MOUNT DIGITAL VOLTMETER
1	MAE00008	4	#6-32NC x 1/4 LG BHSCS
2	MAH00034	24	#8-32NC x 1/2 LG RHSMS
3	MAH00180	2	#6-32NC x 1-1/4 LG RHSMS
4	MBC00003	4	#8-32 NYLON LOCK NUT
5	MKB00082	1	RELAY SOCKET
6	MKC00002	2	CONTACT BLOCK
7	3600402	1	ELECTRICAL ENCLOSURE MODIFICATION
8	3600416	1	ELECTRICAL PANEL MODIFICATION
9	MLG00001	2	SWITCH GUARD
10	MLL00001	7 FT	#6 THHN ELECTRIC WIRE, BLACK
11	MLL00005	5 FT	#8 THHN ELECTRIC WIRE, BLACK
12	MLL00014	35 FT	#16 MTW OR TEW WIRE, BLACK
13	MLM00001	10	14-18 X #8 RING TERMINAL
14	MLM00017	6	14-16 X 1/4 FEMALE DISCONNECT
15	MLM00037	1	SOLDERLESS GROUND LUG
16	MLM00051	22	TERMINAL
17	MLM00052	3	BRIDGE BAR
18	MLM00053	1	SEPARATING PLATE
19	MLM00054	3	PARTITION PLATE
20	MLM00055	2	END COVER
21	MLM00056	4	END CLAMP
22	MLM00059	1	MARKING NUMBERS
23	MLM00061	1.5 FT	STEEL DIN RAIL
24	MLM00093	1	14-6 AWG X 1/4 GROUND LUG
25	MLM00124	2	14-16 X 1/4 FEMALE DISCONNECT
26	MLM00156	1	POWER DISTRIBUTION BLOCK

**CE #1236A CONTROL BOX ASSEMBLY
220-240V,50/60Hz, 3Ph**

Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
27	MLN00017	1	LEGEND PLATE "STOP"
28	MLN00018	1	LEGEND PLATE "START"
29	MLN00067	4	#8-32NC x 2" LG HEX MALE/FEMALE STANDOFF
30	MLN00112	2	BLACK NYLON CABLE TIE x 11"LG
31	MLN00221	2	ADHESIVE BACK 2-WAY MOUNT
32	MLN00311	0.08 FT	1/8" BLACK SHRINK TUBING
33	MLN00384	1	VOLTMETER BEZEL
34	MLR00007	1	FUSE BLOCK
35	MLR00008	2	FUSE BLOCK
36	MLR00012	3	FUSE COVER
37	MLR00011	6	FUSE COVER
38	MQI00062	4	#8-32NC x 2-1/2 LG HEX MALE/FEMALE STANDOFF
39	2420002	1	DOOR HINGE BRACKET
40	3608306	1	HYDRAULIC PUMP LABEL
41	3608308	1	HEATER LABEL
42	3608313	1	HEATER SHROUD NOTICE LABEL
43	3620004	1	TEMP. CONTROLLER MTG BRACKET
44	3631902	1	INSTRUMENT COVER
45	3631903	1	DISTRIBUTION BLOCK COVER
46	816325	1	198 MINIMUM INPUT VOLTAGE LABEL
47	816328	1	VOLTMETER SWITCH LABEL
48	816342	1	SAFETY INSTRUCTION MANUAL LABEL
49	MLL00109	6 FT	#4 THHN WIRE, BLACK

NOTES:

1. WIRE PER ELECTRICAL SCHEMATIC #3603012.
2. DESIGNATE TERMINALS IN THE MANNER SHOWN.
3. ITEM 44 IS NOT SHOWN. FIX IT TO THE TOP OF THE BOX.
4. ITEMS 10, 11, 12, 13, 30, AND 49 ARE NOT SHOWN.
5. FOR MACHINES MANUFACTURED PRIOR TO JULY 2004, ITEMS K1 AND OL1 MUST BE REPLACED SIMULTANEOUSLY.

DRAWING REVISION HISTORY LISTING

PART NO: 3603013
DESCRIPTION: CE #1236A CONTROL BOX ASSEMBLY 220-240V, 50/60Hz, 3Ph

<u>APPR.</u>	<u>REV</u>	<u>DATE</u>	<u>BY</u>	<u>DESCRIPTION OF REVISION</u>
RAD	A	02/17/99	BEA	FUSE COVER, ITEM #36, WAS MLR00010. ADDED ITEM #49 MLL00109 #4 THHN-THWN WIRE, BLACK.
RAD	----	03/02/99	MLM	REMOVED MLL00011, ADDED MLL00001 #6 THHN- THWN ELEC. WIRE, MLL00005 5FT QTY. WAS 7FT QTY.
RAD	B	06/14/99	AH	REVISED ITEM #14(MLM00017) QTY 7 TO 4. THIS WAS DONE DUE TO CHANGES TO 841101 TEMP. CONTROL MOD.
TLW	----	10/01/99	MLM	REVISED ITEM #7 MLA00002 TO 3600402 ELECTRICAL BOX MODIFICATION TO MOUNT LITERATURE COMPARTMENT BOX WITH RIVETS.
TLW	C	07/24/00	BWW	REVISED ITEM HM1 HOUR METER FROM MLN00089 TO MKH00005 WHICH IS NOW A MULTI-RANGE UNIT. REVISED QTY. ON ITEM #13 MLM00001 RING TERMINAL FROM 12 TO 10 & QTY. ON ITEM #14 MLM00017 QUICK SLIDE CONNECTOR FROM 4 TO 6. REVISED DESCRIPTION TO 220-240V, 50/60Hz, 3Ph. THIS ASSEMBLY REPLACES 220V CONTROL BOX ASSEMBLY 3603015 WHICH IS OBSOLETE DUE TO MULTI-RANGE HOUR METER MKH00005 NOW BEING USED. SEE PCR99037.
SWB	D	09/20/04	BWW	REVISED ITEM K1 FROM MKJ00002 TO MKJ00005 & OL1 FROM MLV00004 TO MLV00014. ADDED NOTE 5 & FLAG FOR ORDERING K1 & OL1 REPLACEMENT PARTS.
JRP	E	1/24/07	MAC	REVISED ITEM 8, WAS: MLA00009, PANEL, NOW: 3600416, ELECTRICAL PANEL MODIFICATION TO EASE ASSEMBLY.
JRP	F	5/30/07	BEA	ADDED K1 TERMINAL NUMBERS TO FACILITATE ASSEMBLY.