



McElroy Manufacturing, Inc.
The leader by design.
Tulsa, Oklahoma U.S.A.

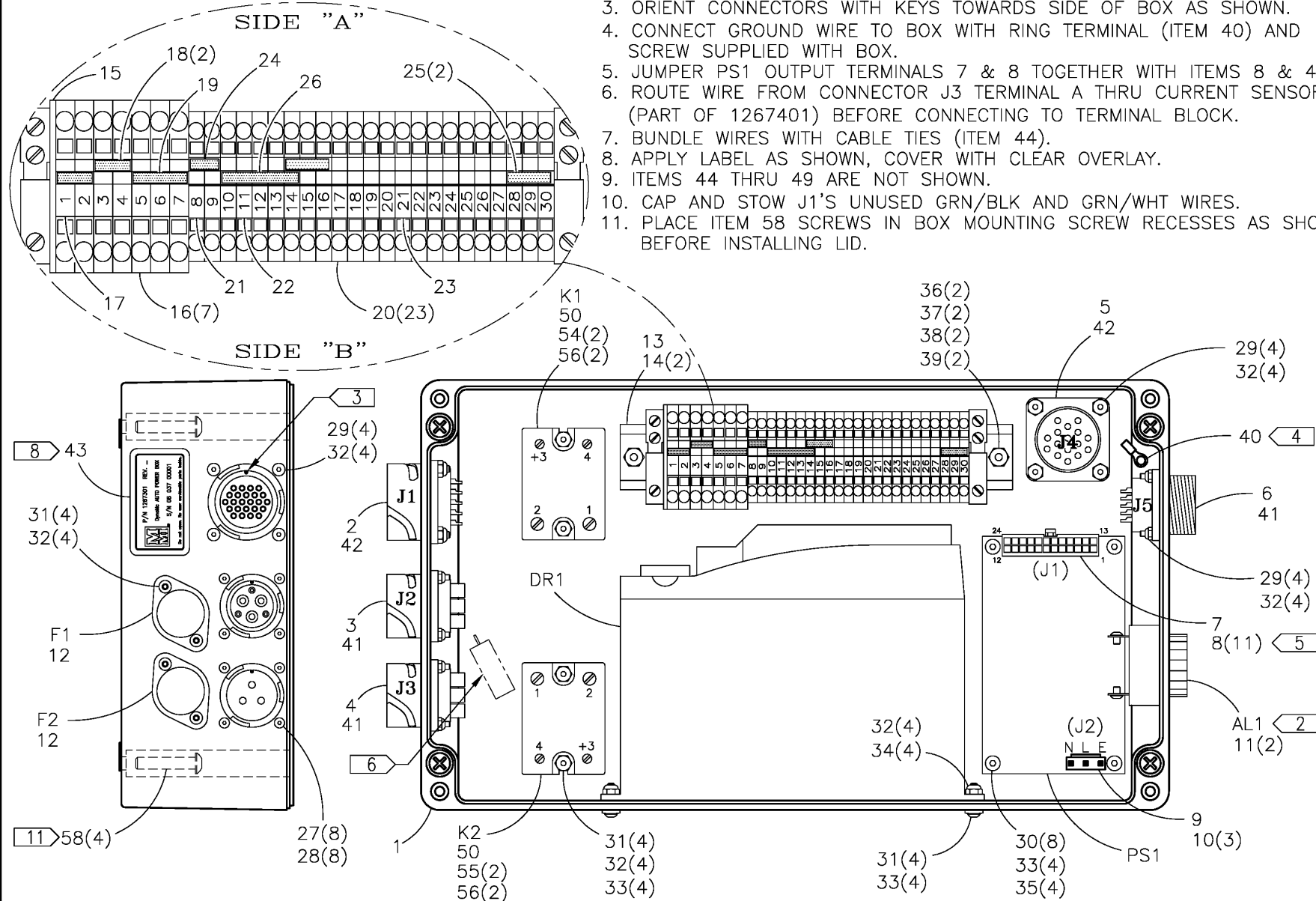
DRAWN: BEA CHECK: JWE APPRV'D: JRP DATE: 5/18/09 SHT No: 1 REV No: J PART No: 1267301

DYNAMC AUTOMATIC POWER BOX ASSEMBLY 110-120V, 50/60HZ

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NOTES:

1. WIRE PER WIRING CHART.
2. APPLY RTV SEALANT BETWEEN INSIDE OF BOX AND ALARM.
3. ORIENT CONNECTORS WITH KEYS TOWARDS SIDE OF BOX AS SHOWN.
4. CONNECT GROUND WIRE TO BOX WITH RING TERMINAL (ITEM 40) AND SCREW SUPPLIED WITH BOX.
5. JUMPER PS1 OUTPUT TERMINALS 7 & 8 TOGETHER WITH ITEMS 8 & 46.
6. ROUTE WIRE FROM CONNECTOR J3 TERMINAL A THRU CURRENT SENSOR (PART OF 1267401) BEFORE CONNECTING TO TERMINAL BLOCK.
7. BUNDLE WIRES WITH CABLE TIES (ITEM 44).
8. APPLY LABEL AS SHOWN, COVER WITH CLEAR OVERLAY.
9. ITEMS 44 THRU 49 ARE NOT SHOWN.
10. CAP AND STOW J1'S UNUSED GRN/BLK AND GRN/WHT WIRES.
11. PLACE ITEM 58 SCREWS IN BOX MOUNTING SCREW RECESSES AS SHOWN BEFORE INSTALLING LID.



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Sheet 1 of 3

WIRE	TERMINAL	FROM		TO	TERMINAL
Red-Wht	1267401 J1 Pigtail Assembly	J1-A	—	TB-20A	none
Org-Blk	"	J1-C	—	Pwr Supply J1-10	MQF00351 - #16 Female Contact
Blk-Red	"	J1-D	—	Drive - B4	none
Blk	"	J1-F	—	TB-26A	none
Red	"	J1-G	—	TB-28A	none
Wht-Red	"	J1-H	—	TB-24A	none
Org-Red	"	J1-J	—	Pwr Supply J1-20	MQF00351 #16 Female Contact
Blk-Wht	"	J1-K	}	Relay K1-4	MLM00120 14-16 X #6 Fork Terminal
#18 BLACK	MLM00092 18-22 x #6 Fork Terminal	Relay K2-4			
Red-Blk	1267401 J1 Pigtail Assembly	J1-M	—	TB-19A	none
Grn	"	J1-N	—	TB-8A	none
Org-Grn	"	J1-Q	—	Drive - B5	none
Wht-Blk	"	J1-R	—	TB-23A	none
Wht	"	J1-S	—	TB-22A	none
Blu	"	J1-T	—	Pwr Supply J1-18	MQF00351 #16 Female Contact
Org	"	J1-U	—	Pwr Supply J1-9	MQF00351 #16 Female Contact
Red-Grn	"	J1-V	—	Alarm (+)	MLM00004 18-22 x #6 Ring Terminal
Grn-Blk-Wht	"	J1-W	—	TB-18A	none
Red-Blk-Wht	"	J1-X	—	TB-21A	none
Wht-Blk-Red	"	J1-Y	—	TB-25A	none
Blk-Wht-Red	"	J1-Z	—	TB-17A	none
BLK	1267501 J2 Pigtail Assembly	J2-A	—	Relay K1-2	MLM00258 10-12 x #8 Fork Terminal
BRN	"	J2-B	—	TB-24B	none
GRN	"	J2-C	—	TB-7B	none
BLU	"	J2-D	—	TB-9B	none
BLK	"	J2-E	—	Relay K2-2	MLM00258 10-12 x #8 Fork Terminal
BRN	"	J2-F	—	TB-25B	none

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BLK	1267601 J3 Pigtail Assembly	J3-A	—	TB-1A	none - Route wire thru current sensor (part of 1267401).
BLK	"	J3-B	—	TB-3A	none
GRN	"	J3-C	—	TB-5A	none
BRN	1267701 J4 Pigtail Assembly	J4-A	—	TB-26B	none
BLU	"	J4-B	—	TB-10B	none
BRN	"	J4-C	—	TB-17B	none
BLU	"	J4-D	—	TB-11B	none
BRN	"	J4-E	—	TB-21B	none
BLU	"	J4-F	—	TB-12B	none
BRN	"	J4-G	—	TB-18B	none
BLU	"	J4-H	—	TB-13B	none
BRN	"	J4-J	—	TB-19B	none
BLU	"	J4-K	—	TB-20B	none
BRN	"	J4-L	—	TB-29B	none
BRN	"	J4-M	—	TB-23B	none
BLU	"	J4-N	—	TB-14B	none
BRN	"	J4-P	—	TB-28B	none
BRN	"	J4-R	—	TB-22B	none
BLU	"	J4-S	—	TB-15B	none
BRN	1267801 J5 Pigtail Assembly	J5-A	—	Drive - V	none
BRN	"	J5-B	—	Drive - U	none
BRN	"	J5-C	—	Drive - W	none
GRN	"	J5-D	—	TB-6B	none
#10, BLK	none	Fuse F1 (Line)	—	TB-2B	none
#10, BLK	none	Fuse F1 (Load)	—	Relay K1-1	MLM00258 10-12 x #8 Fork Terminal
#10, BLK	none	Fuse F2 (Line)	—	TB-4B	none
#10, BLK	none	Fuse F2 (Load)	—	Relay K2-1	MLM00258 10-12 x #8 Fork Terminal

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#16, BLU	MQF00351 16 Female Contact	Pwr Supply J1-5	—	TB-10A	none
#16, BLU	MQF00351 16 Female Contact	Pwr Supply J1-6	—	TB-8B	none
#16, BRN	MQF00351 16 Female Contact	Pwr Supply J1-7	—	Pwr Supply J1-8	MQF00351 - #16 Female Contact
#16, BLU	MQF00351 16 Female Contact	Pwr Supply J1-16	—	TB-11A	none
#16, BLU	MQF00351 16 Female Contact	Pwr Supply J1-17	—	TB-12A	none
#16, BLU	MQF00351 16 Female Contact	Pwr Supply J1-19	—	TB-9A	none
#18, GREEN	MQF00356 18-22 Female Contact	Pwr Supply J2-E	—	TB-6A	none
#18, BLACK	MQF00356 18-22 Female Contact	Pwr Supply J2-L	—	TB-1B	none
#18, WHITE	MQF00356 18-22 Female Contact	Pwr Supply J2-N	—	TB-3B	none
#16, BLU	MLM00004 18-22 x #6 Ring Terminal	Alarm (-)	—	TB-13A	none
#18, BLACK	none	Drive - T6	} Relay K1-3		MLM00120 14-16 X #6 Fork Terminal
#18, BLACK	MLM00092 18-22 x #6 Fork Terminal	Relay K2-3			
#10, BLK	none	Drive - L1	—	TB-2A	none
#10, BLK	none	Drive - L3	—	TB-4A	none
#10, GRN	none	Drive - EG	—	TB-5B	none
#16, BLU	none	Drive - T1	—	TB-15A	none
#16, BRN	none	Drive - T5	—	TB-29A	none
#10, GRN	MLM00173 10-12 x 1/4 Ring Terminal	Box Ground	—	TB-7A	none

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McElroy Manufacturing Parts List

Part Number: 1267301 DynaMc Automatic 110-120V Power Box Assembly

Part Number 1267301 Component List

Item	Component	Description	Quantity	Unit	Price
AL1	MLN00470	6-28V Continuous Alarm	1.0	EA	60.86
DR1	MDB00118	1.5HP 120V 1PH AC Vctr Drive	1.0	EA	1,199.00
DR1	1269901	Replaced by MDB00118 (Effective to 6/14/10)	1.0	EA	0.00
F1	MLQ00080	30 Amp Time-delay Fuse	1.0	EA	60.24
F2	MLQ00080	30 Amp Time-delay Fuse	1.0	EA	60.24
K1	MKB00110	240V,50A Solid State Relay	1.0	EA	59.00
K1	MKB00133	Same as & Replaced by MKB00110 (Effective 7/21/09 to 9/10/10)	1.0	EA	0.00
K2	MKB00110	240V,50A Solid State Relay	1.0	EA	59.00
K2	MKB00133	Same as & Replaced by MKB00110 (Effective 7/21/09 to 9/10/10)	1.0	EA	0.00
PS1	MQE00102	+24, +5, +12, -12 DC Supply	1.0	EA	651.00
1	1265501	Dynamc Hpu Electrical Box Mod	1.0	EA	0.00
2	1267401	Dynamc Auto Pwr BX 24P Pig Assy	1.0	EA	0.00
3	1267501	DM 120V 8/3+16/3 Recp Pig Assy	1.0	EA	0.00
4	1267601	DM 120V 8/3 Male Recp Pig Assy	1.0	EA	0.00
5	1267701	Dynamc 16/16 Recp Pigtail Assy	1.0	EA	0.00
6	1267801	Dynamc 16/14 Recp Pigtail Assy	1.0	EA	0.00
7	MQF00352	16AWG 24-POS 2-ROW Receptacle	1.0	EA	0.00
8	MQF00351	16AWG Female Crimp Contact	11.0	EA	0.00
9	MQF00355	5-POS .156" Connector Housing	1.0	EA	0.00
10	MQF00356	18-22AWG Fem Crimp Contact	3.0	EA	0.00
11	MLM00004	18-22 X #6 Ring Term, Non-insu	2.0	EA	0.96
12	MLR00037	Sealed Panel Mount Fuse Holder	2.0	EA	147.00
13	MLM00061	Steel Din Rail	0.666	FT	18.49
14	MLM00056	End Clamp	2.0	EA	5.71
15	MLM00215	End Cover	1.0	EA	3.21
16	MLM00214	10-20 Spring Terminal	7.0	EA	0.00
17	MLU00020	ZB6 Marker 1-10	1.0	EA	4.42
18	MLM00213	ST4, 2 Pos Insertion Bridge	2.0	EA	0.00
19	MLM00212	ST4, 3 Pos Insertion Bridge	1.0	EA	0.00
20	MLM00203	12-26 Spring Terminal	23.0	EA	4.58
21	MLU00037	ZB5 Marker 1-10	1.0	EA	5.86
22	MLU00038	ZB5 Marker 11-20	1.0	EA	5.89
23	MLU00039	ZB6 Marker, Unprinted (Effective to 9/20/10)	1.0	EA	3.55
23	MLU00041	ZB5 Marker 21-30	1.0	EA	5.44
24	MLM00209	ST2.5, 2 Pos Insertion Bridge	1.0	EA	3.44
25	MLM00206	ST2.5, 3 Pos Insertion Bridge	2.0	EA	4.98
26	MLM00211	ST2.5, 5 Pos Insertion Bridge	1.0	EA	5.29
27	MAN00027	#4-40NCX5/8LG Fhscs SS	8.0	EA	0.29
28	MBC00001	#4-40NC Mach Scr Nyl Lck Nut	8.0	EA	0.34
29	MAN00029	#6-32NCX5/8LG Fhscs SS	12.0	EA	0.14
30	MAN00061	#6-32NCX3/8 LG Bhscs SS	8.0	EA	0.66
31	MAN00028	#6-32NCX5/8LG Bhscs SS	12.0	EA	0.61
32	MBC00002	#6-32NC Mach Scr Nyl Lck Nut	24.0	EA	0.75
33	MLN00206	#6 X 3/8OD Seal Washer SS	12.0	EA	0.00
34	MBF00002	#6 TY 'a' Wide FL Wshr Stl PL	4.0	EA	0.10
35	MQI00077	#6-32X1/2 F/f 1/4HEX Standoff	4.0	EA	3.81
36	MAH00003	#10-24NCX5/8LG Phpms	2.0	EA	0.29
37	MLN00194	#10 X 1/2 OD Seal Washer	2.0	EA	0.00
38	MBF00004	#10 TY 'a' Wide FL Wshr Stl PL	2.0	EA	0.10
39	MBC00004	#10-24NC Mach Scr Nyl Lck Nut	2.0	EA	0.31
40	MLM00173	10-12 X 1/4 Ring Terminal	1.0	EA	1.48
41	MQF00177	Size 20 Recep Rear Mnt Gasket	3.0	EA	14.22
42	MQF00179	Size 24 Recep Rear Mnt Gasket	2.0	EA	14.20
43	1271401	DM Auto 110-120 Pwr BX Srl Lbl	1.0	EA	0.00

McElroy Manufacturing Parts List

Part Number: 1267301 DynaMc Automatic 110-120V Power Box Assembly

44	MLN00418	5.5" X .14" Cable Tie	25.0 EA	0.31
45	MLL00095	#16 UL1007/UL1569 Wire, Blue	10.0 FT	0.00
46	MLL00096	#16 UL1007/UL1569 Wire, Brown	9.0 FT	0.89
47	MLL00046	#16 Mtw/tew Wire, Green	2.0 FT	0.00
48	MLL00132	#10 MTW/TEW/UL1015 Wire, Black	3.0 FT	0.00
49	MLL00133	#10 MTW/TEW/UL1015 Wire, Green	2.0 FT	0.00
50	MKB00126	Solid State Relay Cover	2.0 EA	14.35
51	MLL00035	#18 Mtw/tew Wire, Black	4.0 FT	0.00
52	MLL00084	#18 Mtw/tew Wire, White	2.0 FT	0.15
53	MLL00089	#18 Mtw/tew Wire, green/yel Stp	2.0 FT	0.14
54	MLM00120	14-16 X #6 Fork Terminal	2.0 EA	1.15
55	MLM00092	18-22 X #6 Fork Terminal	2.0 EA	3.14
56	MLM00258	10-12 X #8 Fork Terminal	4.0 EA	1.25
57	MAH00232	1/4-20NC X 1-1/4LG Bhpms PL (Effective 4/26/10 to 9/17/12)	4.0 EA	0.00
58	MAC00056	1/4-20NCX1-1/4LG Shcs PL	4.0 EA	1.15

Please visit <https://fusion.mcelroy.com/parts> to purchase parts or for more information.

