

DESIGN SPECIFICATION:

1. APPLICATION IS TO CONTROL A 12 VDC REVERSIBLE PERMANENT MAGNET GEAR MOTOR WITH POSITIONAL FEEDBACK CAPABILITIES..
2. ONE CONTROL FOR ANY SIZE GEAR MOTOR FOR ANY APPLICATION. SIZE AND WEIGHT MAY VARY, GEAR MOTOR SUPPLIERS MAY VARY.
3. CONFORMABLY COATED PC BOARD.
4. RELAY RATED TO HANDLE 30A FOR 1 HOUR.
5. MUST IGNORE MOTOR INRUSH AND INDUCTIVE DISCHARGE CURRENTS.
6. LOW VOLTAGE SHUTDOWN SET AT 11.5 VOLTS.
7. RFI IMMUNITY PER CE 801-3.
8. TRANSIENT IMMUNITY PER CE 801-4.
9. CONTROL MUST BE COMPATIBLE WITH POWER GEAR ROCKER SWITCH (P/N 1510000240-XX) OR EQUIVALENT.
10. ESD IMMUNITY PER CE 801-2.
11. MUST OPERATE BETWEEN 8.5 AND 16 VDC MEASURED AT CONTROL TERMINALS.
12. CAN BE FULLY ENCLOSED OR PC BOARD BASE ONLY WITH MOUNTING SCREW PROVISION.
13. VENDOR IDENTIFICATION SYMBOL IMPRINTED ON BOARD. VENDOR ID TO BE VISIBLE WITH BACK OF CONTROL REMOVED.
14. REVERSE POLARITY PROTECTION.
15. FAILURE MODE: BOTH RELAY CONTACTS OPEN OR GROUNDED.
16. MUST HAVE POWER GEAR DECAL.
17. REFER TO POWER GEAR ENGINEERING CONTROLS FILE FOR CALIBRATION PROCEDURE AND FAULT CODES.
18. CONTROL MUST BE ABLE TO DETECT SEVERAL FAULTS. THESE FAULTS ARE LISTED IN THE SERVICE / INSTALLATION MANUAL P/N 3010002588
19. MOTOR STALL PERIOD FOR 2 SECONDS.
20. FULL POWER TO MOTOR FOR 3 SECONDS.

FUNCTIONAL DESCRIPTION:

- +12VDC SWITCHING USING ROCKER SWITCH (P/N 140-1197) OR EQUIVALENT.
- THE CONTROL WILL DRIVE A REVERSIBLE 12V DC GEAR MOTOR.
- WHEN THE SWITCH IS DEPRESSED, THE CONTROL WILL ENERGIZE THE MOTOR SO THE OUTPUT SHAFT ON THE GEAR BOX WILL ROTATE UNTIL:
 1. THE SWITCH IS RELEASED -OR-
 2. THE END OF ROOM TRAVEL IS REACHED AND AS LONG AS THE SWITCH REMAINS DEPRESSED THE CONTROL WILL HOLD THE MOTOR IN THE OFF STATE. THE CONTROL WILL BE RESET WHEN THE BUTTON IS RELEASED. THE CONTROL WILL RESPOND TO THE NEXT SWITCH INPUT IMMEDIATELY.

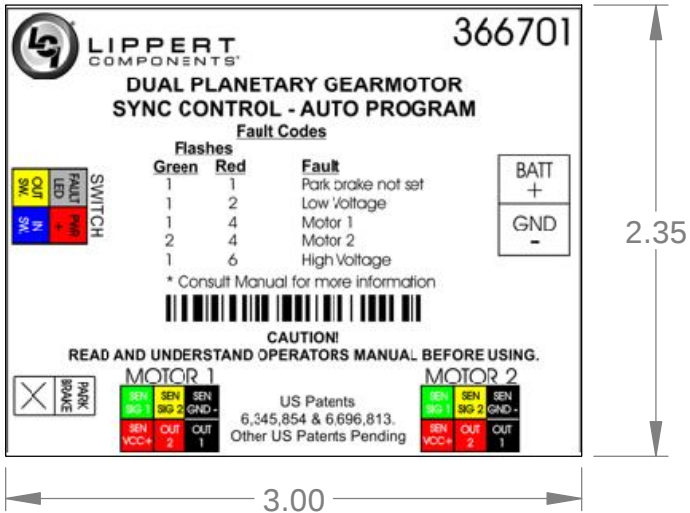
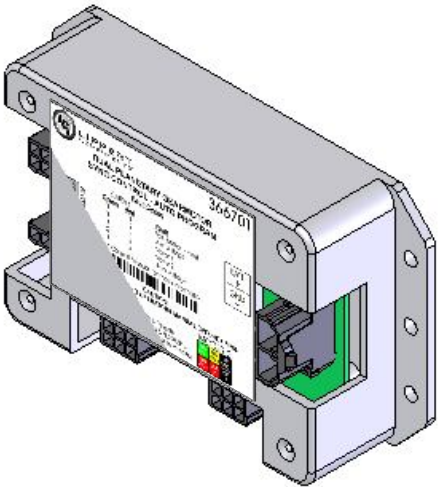
VENDOR ADVISORY NOTES:

1. VENDOR TO FUNCTIONALLY TEST 100% OF CONTROLS.
2. DYNAMICS OF LOAD MAY VARY WITH SIZE, WEIGHT, AGE AND NORMAL WEAR OF MECHANISM.
3. ALL REVISIONS MUST BE APPROVED BY "POWER GEAR ENGINEERING"

NOTES:

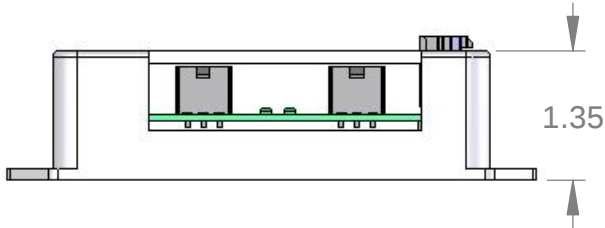
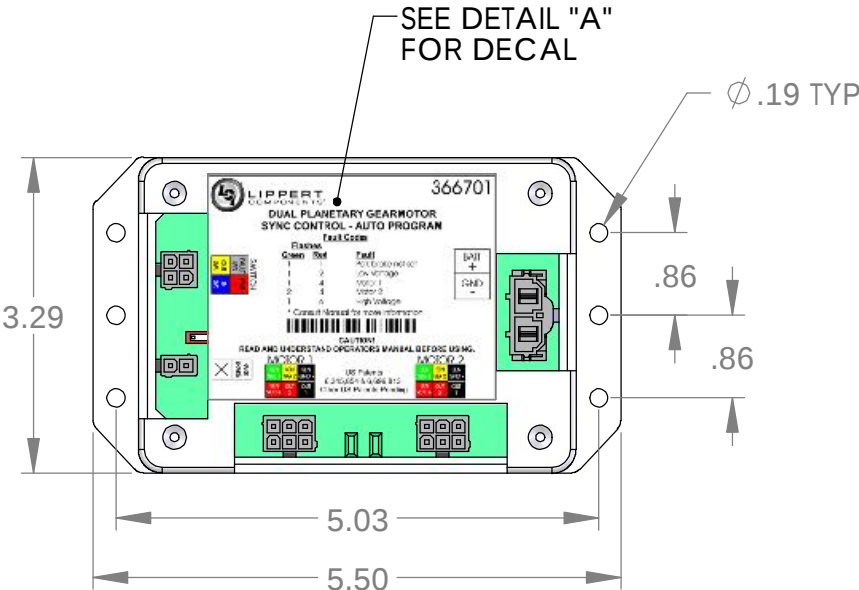
1. ALL DIMENSIONS FOR REFERENCE ONLY.
2. APPROVED VENDOR: IDS

REVISION HISTORY					
REV	DATE	DESCRIPTION	ECN	DWR	APVD
A	12/17/2014	RELEASED TO PRODUCTION	ECN-SP-NP-18901	VJO	
B	9/22/2016	CHANGE LABEL TO SHOW LCI PART NUMBER	CA-0044423	MLL	MW



DETAIL "A"

DECAL MATERIAL: 41006 WHITE VINYL (4 MIL) OR EQUIVALENT.
ADHESIVE: PERMANENT ACRYLIC.
COLOR AND FINISH: WHITE BACKGROUND WITH BLACK ARTWORK,
LAMINATED .001 THICK POLYESTER TO GIVE
.004/.005 TOTAL THICKNESS PLUS ADHESIVE
AND BACK SPLIT.



REFERENCE NUMBER:	PG # 1510000236
MATERIAL TYPE:	
SURFACE QUALITY:	
DECIMAL:	
FINISH GOOD WEIGHT:	0.216
BLANK WEIGHT:	
BLANK SIZE:	X

TITLE: CONTROL RS 2 MTR SYNC IN WALL - AUTO PRG SWITCH 1510000236										
UNLESS OTHERWISE SPECIFIED 1. ALL DIMENSIONS ARE IN INCHES BREAK SHARP EDGES & DEBURR 2. MATERIAL & FINISH TO BE AS NOTED OR SUBSTITUTED WITH AN APPROVED AND TESTED EQUIVALENT FILLETS R.015 FINISH 125✓ THIRD ANGLE PROJECTION 		TOLERANCES (EXCEPT AS NOTED) DECIMAL .X ±.1 .XX ±.010 .XXX ±.005 FRACTIONAL ±1/16 ANGULAR ±1°		 LIPPERT COMPONENTS™		THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LIPPERT COMPONENTS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF LIPPERT COMPONENTS, INC. IS PROHIBITED.				
						DWG. NO. 366701		SIZE B	DATE: 12/17/2014	REV. B
								SCALE: 1:1		
						DRAWN BY VJO		CHECKED BY VJO		APPROVED BY