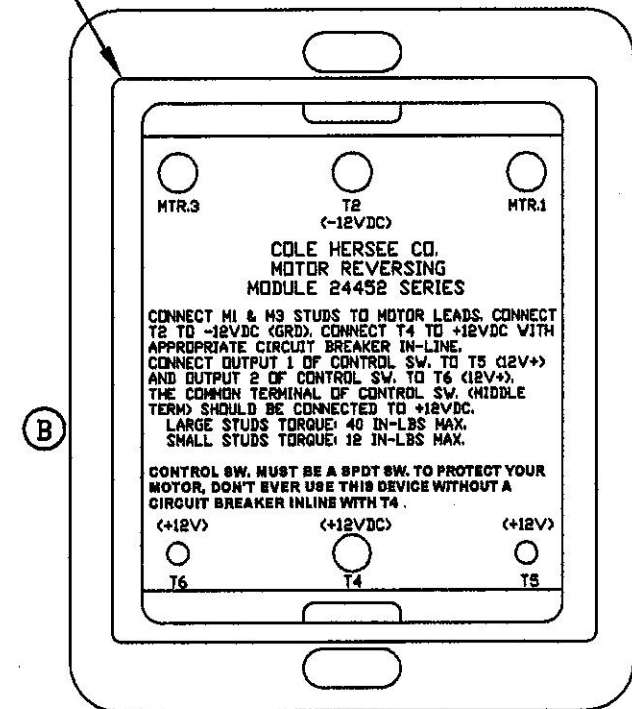
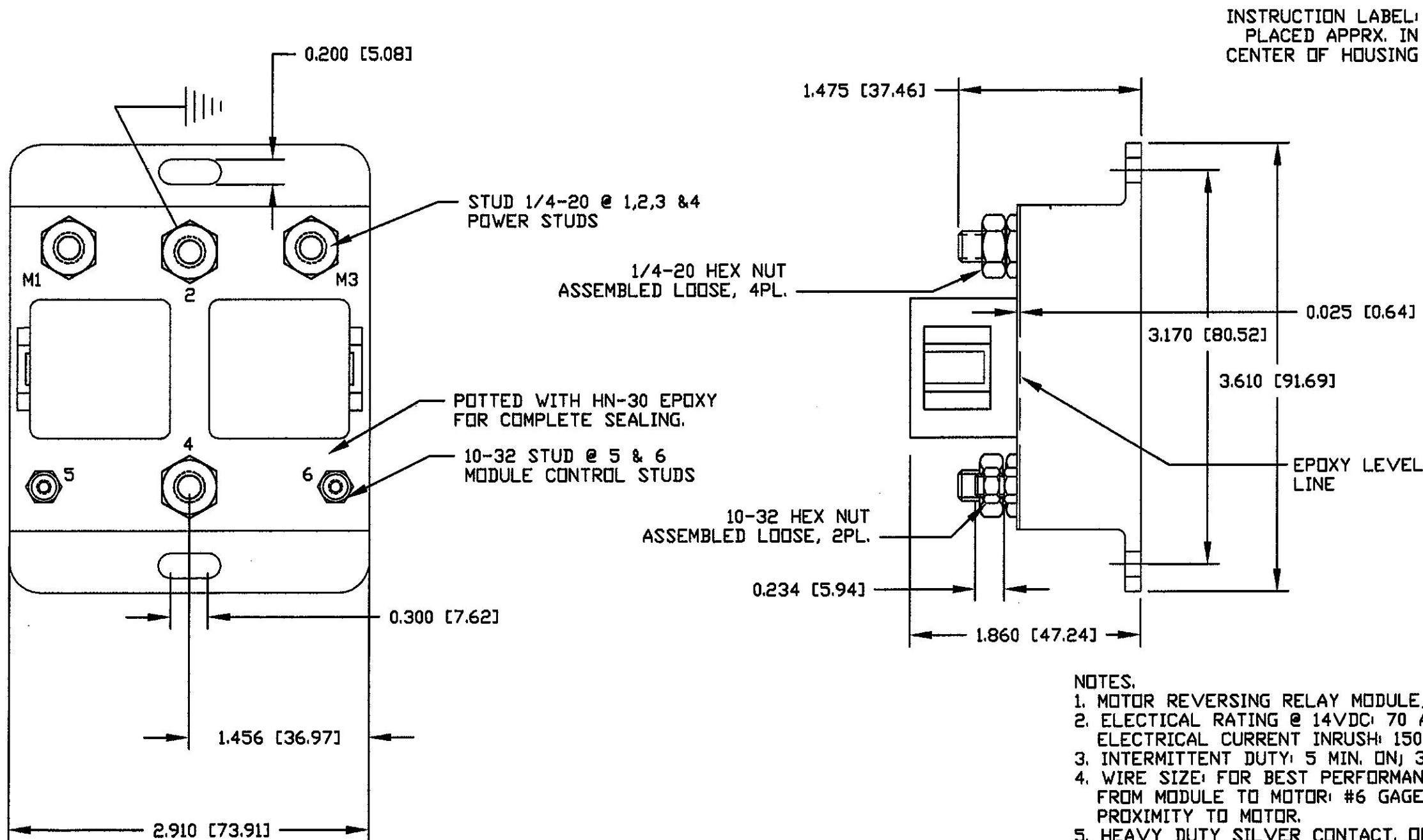


Revision Control Record			
Rev.	Description of Change	ECN No.	Date
A	PRODUCT RELEASE	06212	5/15/06
B	LABEL ADDED	06371	11/15/06



- NOTES.
1. MOTOR REVERSING RELAY MODULE, WITH DYNAMIC BRAKE CAPABILITY.
 2. ELECTRICAL RATING @ 14VDC: 70 AMP INTERMITTENT; 50A CONTINUOUS.
ELECTRICAL CURRENT INRUSH: 150 AMPS.
 3. INTERMITTENT DUTY: 5 MIN. ON; 3 MIN. OFF. RELAY PULL-IN VOLTAGE: 7.8VDC MIN.
 4. WIRE SIZE: FOR BEST PERFORMANCE, RECOMMENDED WIRE SIZE FOR CONNECTION
FROM MODULE TO MOTOR: #6 GAGE; #8 GAGE MIN. WHEN MOUNTING MODULE IN CLOSE
PROXIMITY TO MOTOR.
 5. HEAVY DUTY SILVER CONTACT. OPERATIONAL LIFE: 25,000 CYCLES MINIMUM.
 6. ENVIRONMENTAL: VIBRATION RESISTANCE: 10-55HZ, DOUBLE AMPLITUDE 1.5MM.
IP 67 FOR COMPLETE PROTECTION AGAINST DIRT AND MOISTURE PENETRATION.
 7. OPERATING TEMP: -40°C TO 85°C.
 8. IGNITION PROTECTED.
 9. ALL HARDWARE TIN PLATED TO PREVENT CORROSION.
 10. STUD WIRING TORQUE: 1/4-20 STUDS, 40 IN-LBS MAX. 10/32 STUDS: 12 IN-LBS MAX.
 11. ALL DIMENSIONS ARE REFERENCE.

MODULE WIRING CHART

STUDS	FUNCTION
M1 & M3	MOTOR LEADS
2	GROUND (B-, 12VDC)
4	POSITIVE (B+, 12VDC)
5	FORWARD (CONT. OR MOM. B+)
6	REVERSE (CONT. OR MOM. B+)

Tolerances. Unless otherwise specifically noted, the following are default tolerances: * 2-place Decimal Dimensions $\pm .02"$ * 3-place Decimal Dimensions $\pm .005"$ * Angular Dimensions ± 1.0 Deg. * Metric: Refer to equivalent English Dimension Tolerance *** NOTE: All tolerances are Non-Cumulative. <<<		PROPRIETARY INFORMATION. This Engineering Drawing, and the information contained herein, is proprietary to Cole Hersee Company and may not be disclosed, re-produced, or in any other way transferred or communicated to any other party without the express written consent of an authorized representative of Cole Hersee Company.		Special Characterization:  Critical Characteristic, relating to Safety and/or Regulatory Compliance  Significant Characteristic relating to Process Control (SPC)  Control Dimension relating to Form - Fit - Function as defined by Cole Hersee Company and/or the Customer (Note that the identification of any Characterization as being "Special" does not alter the requirement that ALL specified dimensions & tolerances must be met.)		 Cole Hersee Co. 20 Old Colony Ave., South Boston, MA, 02127 Phn: 617-268-2100 Web: www.colehersee.com	
Dimensional Units. All dimensions are expressed in inches except those shown in brackets (mm) are expressed in millimeters "N/A" or an Asterisk (*) = Non-Toleranced Reference Dimension, shown for clarification purposes only.		DESIGN CONTROL. It is the responsibility of the individual using / referencing this drawing to ensure that the noted design revision level agrees with the revision level of the Controlled Document (Master Drawing). This is a NON-CONTROLLED DOCUMENT unless otherwise specifically noted. DO NOT SCALE - Dimensional variation may occur during printing / reproduction.				Description: REVERSING RELAY MODULE	
Used On or Ref.: EX28178		Scale: 1:1		Drawn By: G. AUGUSTE		Date Drawn: 10/16/06	
				Responsible Engineer: G.AUGUSTE		Pg. 1	
						Drawing / Part No: 24452	
						Current Rev. B	