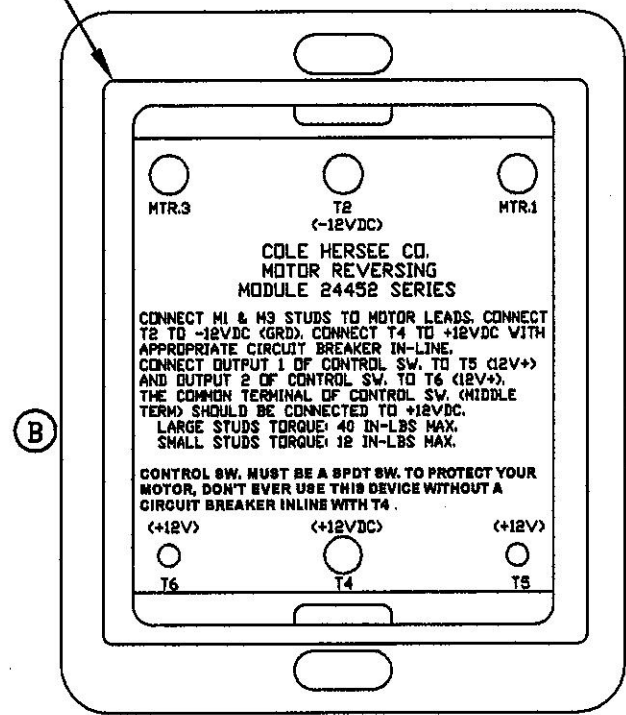
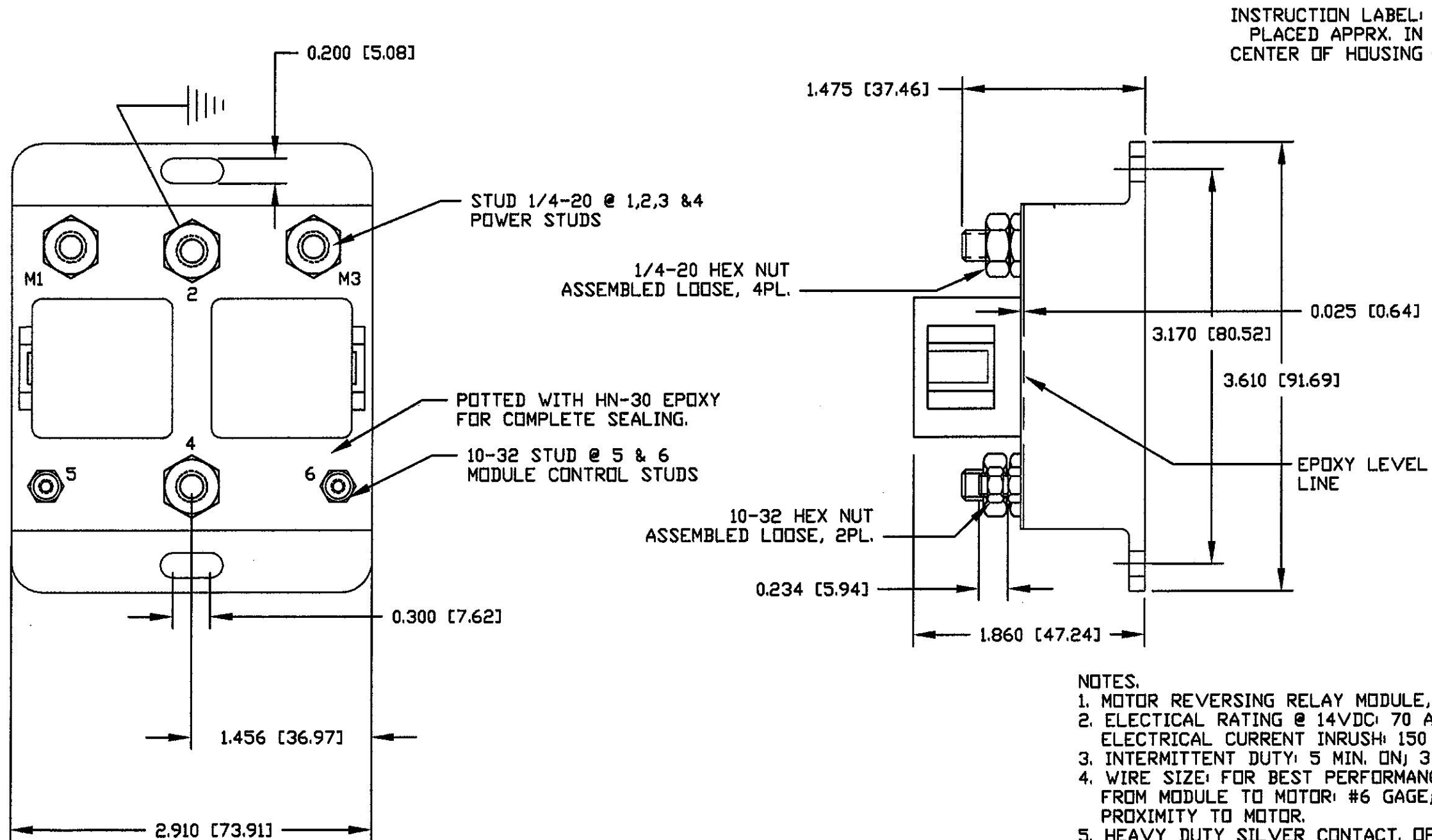


Revision Control Record			
Rev.	Description of Change	ECN No.	Date
A	PRODUCT RELEASE	06212	5/15/06
B	LABEL ADDED	06371	11/15/06



- 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 Characteristics.  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 Characteristic 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 "NRE" 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	