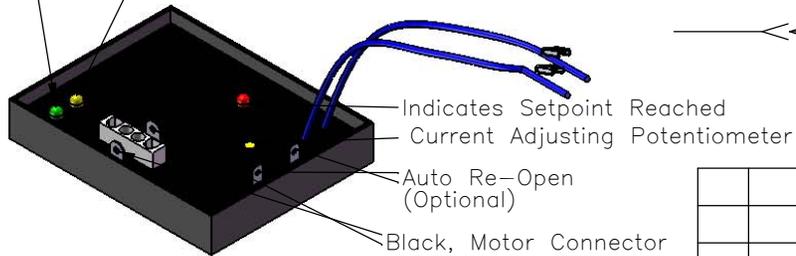
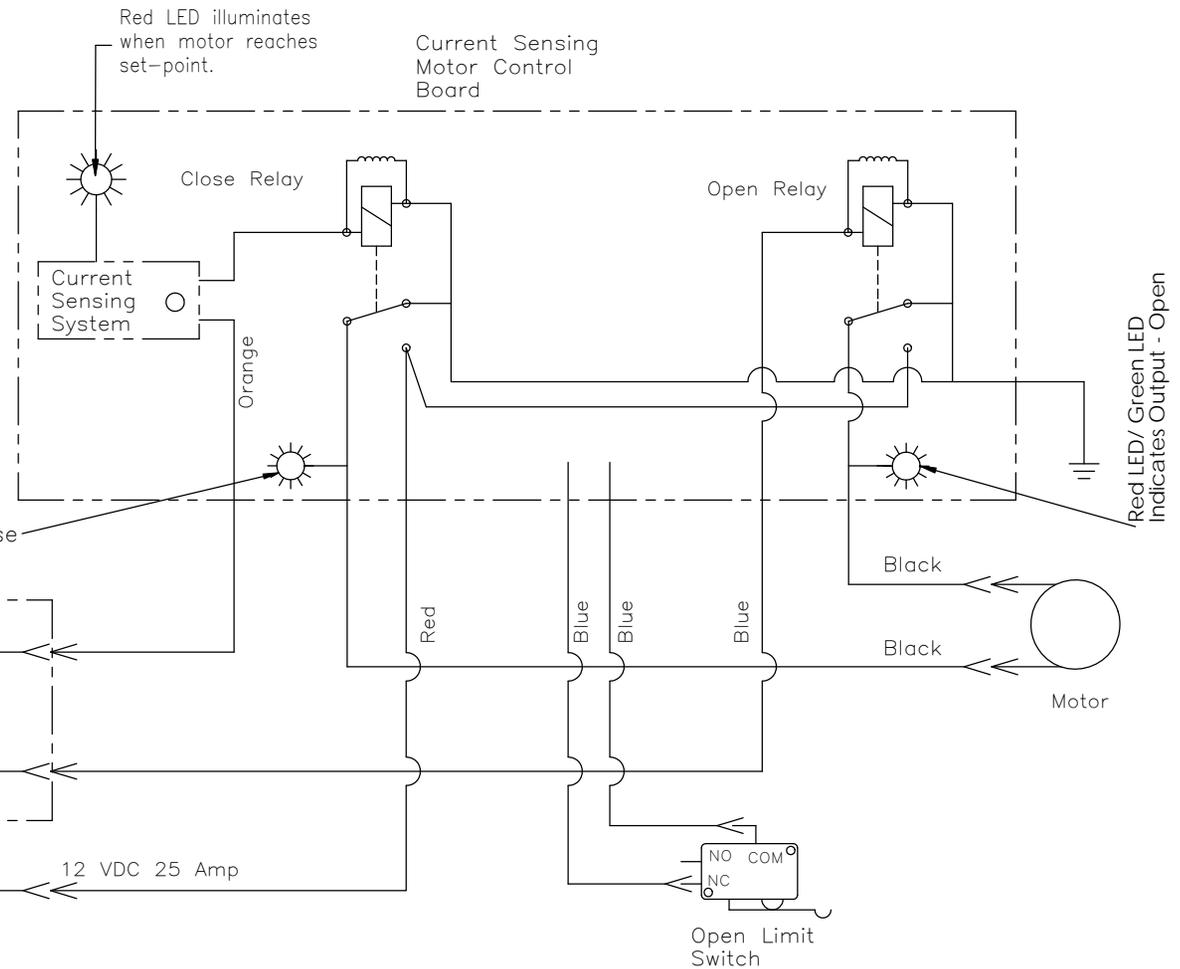
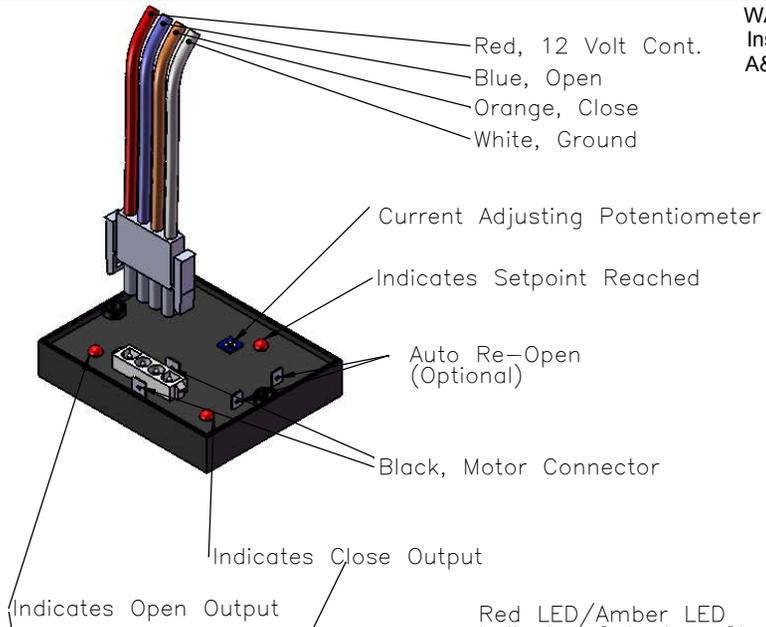


**WARNING:** This Control Board is designed and warranted for A&M Systems, Inc. engineered installations only. Installing this PC Board onto a non A&M Systems product may cause a hazardous condition. A&M Systems will not be liable for damages or injuries caused by the installation of this PC Board into non-A&M Systems Products.



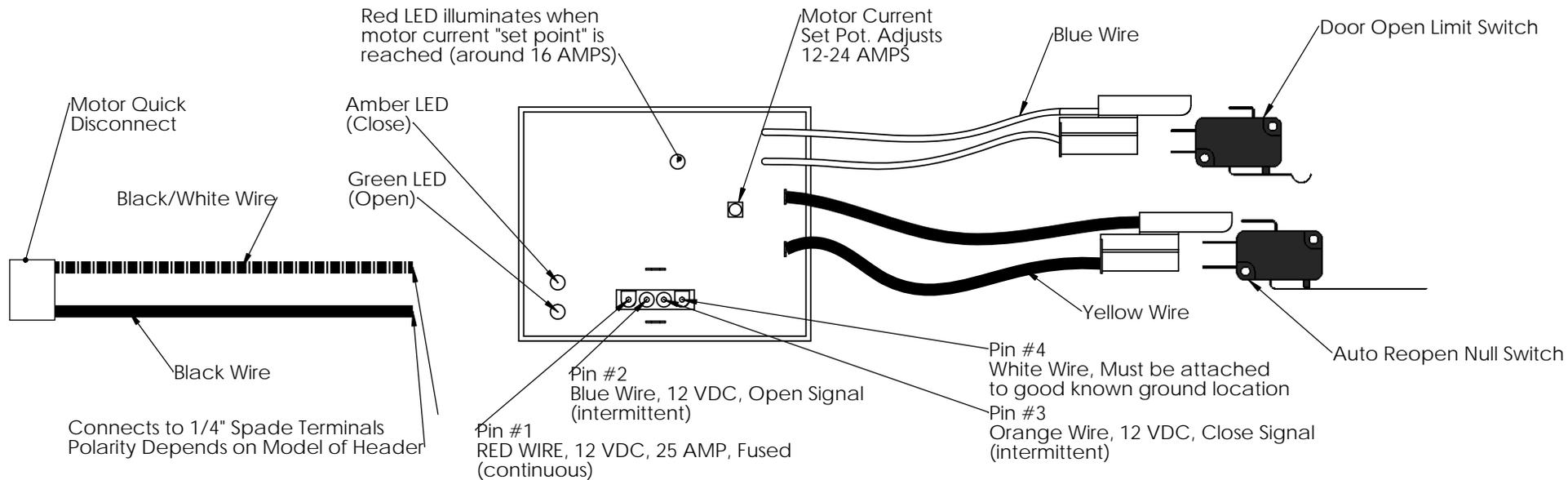
NEXT ASSY.:  
 SUPERSEDES:  
 DO NOT SCALE DRAWING

REV.	BY	DATE	DESCRIPTION
TOLERANCE UNLESS SPECIFIED			DRAWING INFORMATION
Fractions: $\pm 1/32$		Decimals: $\pm .005$	Angles: $\pm 1$ Deg.
DRAWN: bmilller		CKD:	
DATE: 11/14/2011		SCALE: 1:12	WT.: A



TITLE	PC board and pigtail
MAT'L SPEC.	
PART NUMBER	
PAGE	1 OF 2

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### System Function

- 1) A 12 VDC power source is applied continuously to Pin #1
- 2) A ground signal is applied continuously to PIN #4
- 3) An intermittent 12 VDC signal is applied to Pin #2 from the coach door "OPEN" control switch
  - a) The green LED illuminates verifying that the 12 VDC is received from the coach door switch and the PC Board has sent power to the motor to "OPEN" the door.
  - b) The motor is turned off at the end of the "OPEN" cycle by the open limit switch.
  - c) If the door "feels" an obstruction during the open cycle, the door stops and the red LED illuminates. The operator must clear the obstruction, and press the door "CLOSE" to reset the setpoint. Once this is done, the operator may open the door again.
- 4) An intermittent 12 VDC signal is applied to Pin #3 from the coach door "CLOSE" control switch
  - a) The amber LED illuminates verifying that the 12 VDC is received from the coach door switch and the PC Board has sent power to the motor to "CLOSE" the door.
  - b) The motor is turned off at the end of the "CLOSE" cycle by the current sensing system.
  - c) At approximately 85 deg of close the NULL switch is activated to disable the auto-re-open function.
- 5) If the door "feels" an obstruction during the close cycle, the door automatically open fully and the red LED is illuminated indicating the motor is turned off.
- 6) The red LED turn off after 15 seconds of illumination eliminate any parasitic drain.



NEXT ASSY.:  
 SUPERSEDES:  
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REV.	BY	DATE	DESCRIPTION

TOLERANCE UNLESS SPECIFIED		DRAWING INFORMATION	
Fractions: +/- 1/32	Decimals: .000 +/- .005	DRAWN: bmilller	CKD.: DATE: 2/19/2008
Angles: +/- 1 Deg.		SCALE: 2:1	WT.: SIZE: E

TITLE <b>PC board and pigtail</b>	
MAT'L SPEC.	
PART NUMBER	PAGE
	<b>2 OF 2</b>