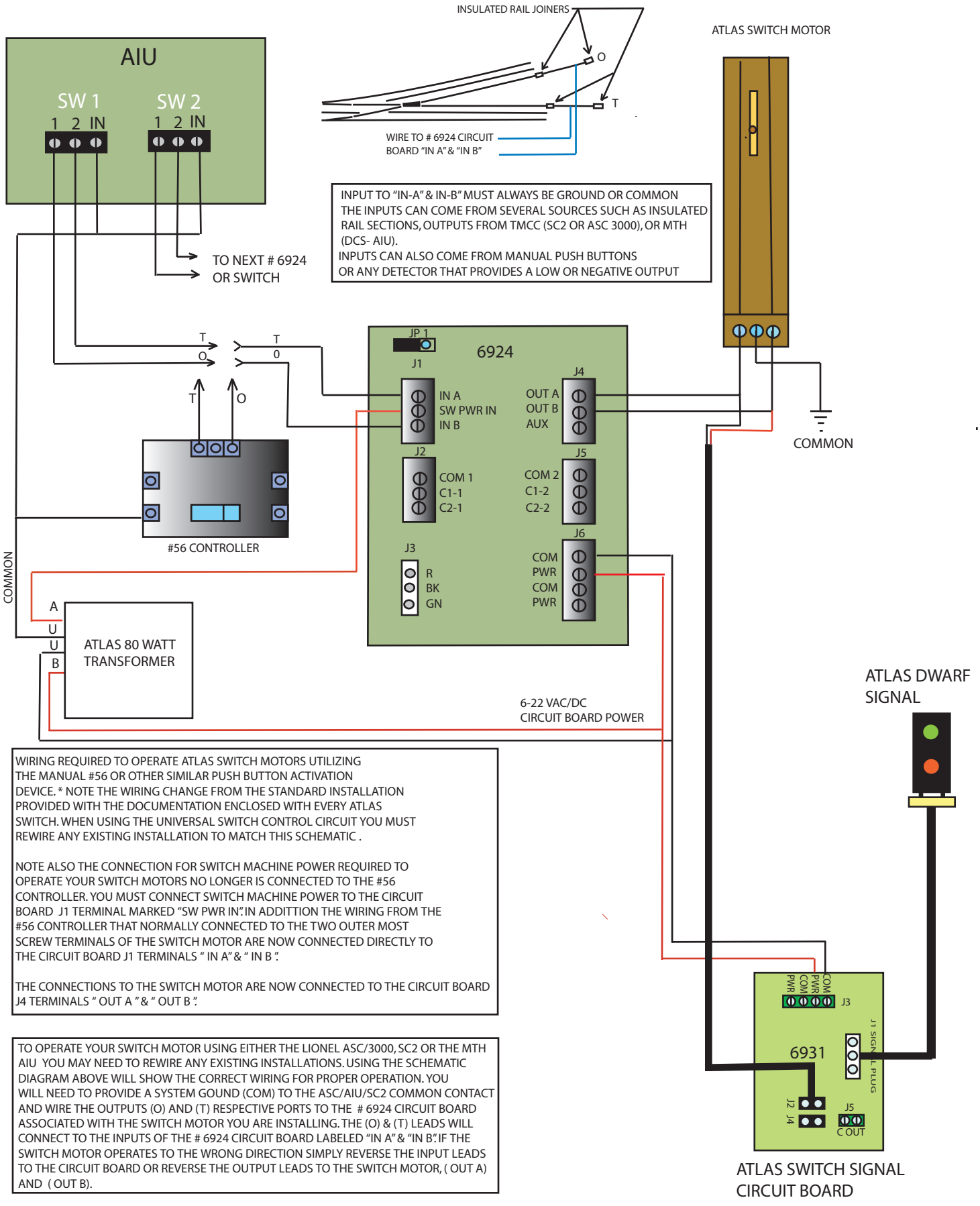
TYPICAL NON DERAIL WIRING WITH MTH AIU



WIRING REQUIRED TO OPERATE ATLAS SWITCH MOTORS UTILIZING THE MANUAL #56 OR OTHER SIMILAR PUSH BUTTON ACTIVATION DEVICE. * NOTE THE WIRING CHANGE FROM THE STANDARD INSTALLATION PROVIDED WITH THE DOCUMENTATION ENCLOSED WITH EVERY ATLAS SWITCH. WHEN USING THE UNIVERSAL SWITCH CONTROL CIRCUIT YOU MUST REWIRE ANY EXISTING INSTALLATION TO MATCH THIS SCHEMATIC .

NOTE ALSO THE CONNECTION FOR SWITCH MACHINE POWER REQUIRED TO OPERATE YOUR SWITCH MOTORS NO LONGER IS CONNECTED TO THE #56 CONTROLLER. YOU MUST CONNECT SWITCH MACHINE POWER TO THE CIRCUIT BOARD J1 TERMINAL MARKED "SW PWR IN". IN ADDITTION THE WIRING FROM THE #56 CONTROLLER THAT NORMALLY CONNECTED TO THE TWO OUTER MOST SCREW TERMINALS OF THE SWITCH MOTOR ARE NOW CONNECTED DIRECTLY TO THE CIRCUIT BOARD J1 TERMINALS " IN A" & " IN B ".

THE CONNECTIONS TO THE SWITCH MOTOR ARE NOW CONNECTED TO THE CIRCUIT BOARD J4 TERMINALS " OUT A " & " OUT B ".

TO OPERATE YOUR SWITCH MOTOR USING EITHER THE LIONEL ASC/3000, SC2 OR THE MTH AIU YOU MAY NEED TO REWIRE ANY EXISTING INSTALLATIONS. USING THE SCHEMATIC DIAGRAM ABOVE WILL SHOW THE CORRECT WIRING FOR PROPER OPERATION. YOU WILL NEED TO PROVIDE A SYSTEM GOUND (COM) TO THE ASC/AIU/SC2 COMMON CONTACT AND WIRE THE OUTPUTS (O) AND (T) RESPECTIVE PORTS TO THE # 6924 CIRCUIT BOARD ASSOCIATED WITH THE SWITCH MOTOR YOU ARE INSTALLING. THE (O) & (T) LEADS WILL CONNECT TO THE INPUTS OF THE # 6924 CIRCUIT BOARD LABELED "IN A" & "IN B". IF THE SWITCH MOTOR OPERATES TO THE WRONG DIRECTION SIMPLY REVERSE THE INPUT LEADS TO THE CIRCUIT BOARD OR REVERSE THE OUTPUT LEADS TO THE SWITCH MOTOR, (OUT A) AND (OUT B).