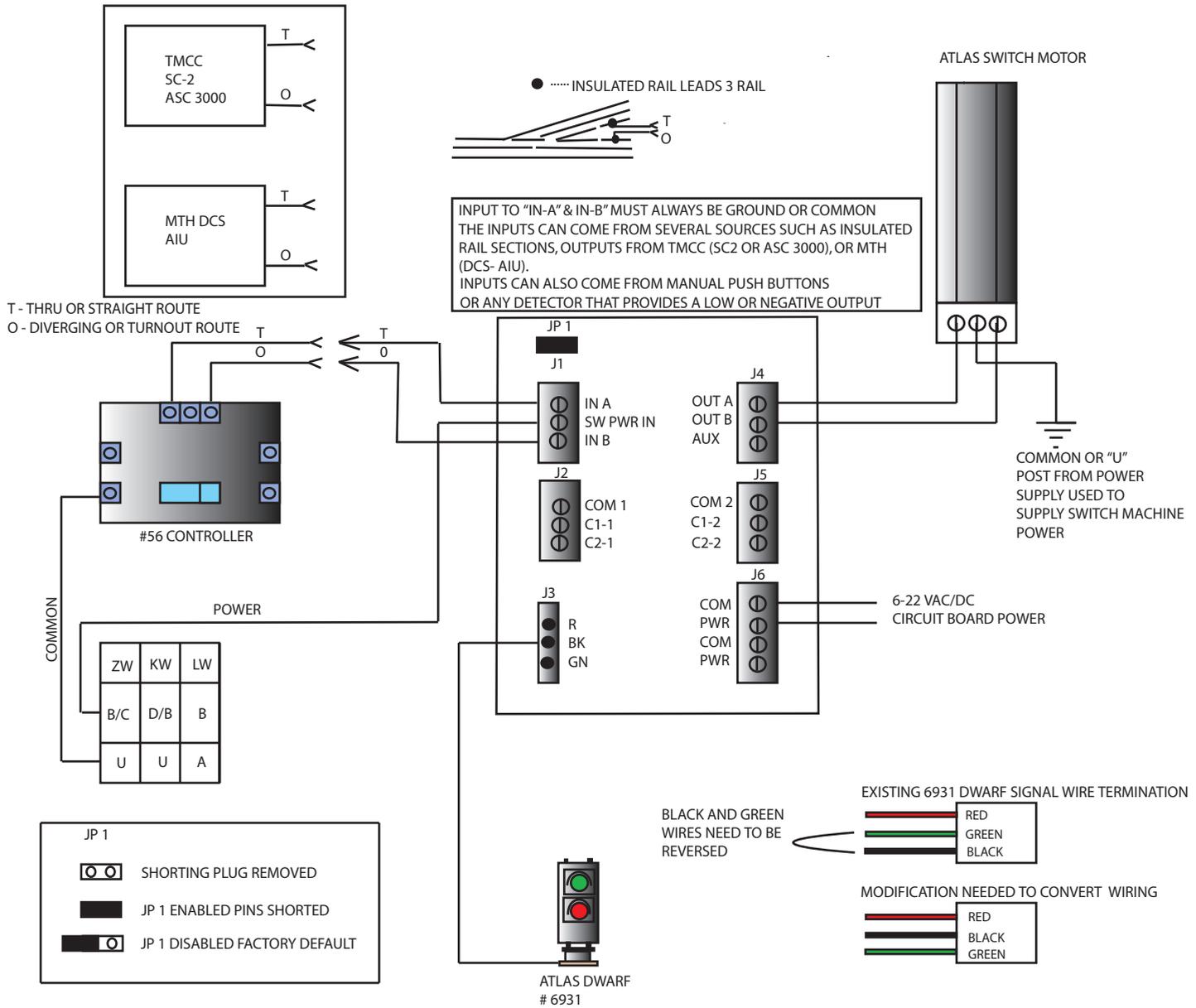


# UNIVERSAL SWITCH CONTROL ITEM # 6924

## INSTALLING THE JP-1 JUMPER AND ADDING THE ATLAS 6931 DWARF SIGNAL OR EXTERNAL PANEL LED'S



ENABLING JP-1 WILL MAKE J3 (DWARF SIGNAL ) CONNECTOR ACTIVE. YOU CAN CONNECT THE ATLAS #6931 DWARF SIGNAL. IF THE SIGNAL LEDS DO NOT MATCH THE TURNOUT THROW REVERSE THE PLUG TO MATCH. IF YOU CHOOSE TO LIGHT PANEL MOUNT LEDS YOU CAN DO THE SAME BY CONNECTING YOUR THREE LEDS TO THE MODULAR JACK 3. YOU CAN MAKE YOUR OWN MODULAR PLUG USING MOLEX "KK" STYLE PLUGS AVAILABLE FROM ELECTRONICS OUTLET STORES SUCH AS MOUSER ELECTRONICS. OR YOU CAN WIRE WRAP YOUR CONNECTIONS TO THE J3 PLUG. THE JACK IS MARKED "R" BEING THE RED ANODE CONNECTION "G" THE GREEN ANODE AND BLK THE COMMON CATHODE. WITH JP 1 ENABLED THE CURRENT LIMITING RESISTOR 390 OHMS WILL BE IN PLACE ON THE BLK TERMINAL .

WHENEVER JP-1 IS ENABLED NEVER MAKE ANY CONNECTION TO J2 COM 1 TERMINAL. PLACING ANY OTHER VOLTAGE ON THIS TERMINAL WHEN JP 1 IS ACTIVE MAY RESULT IN DAMAGE TO THE CIRCUIT BOARD.