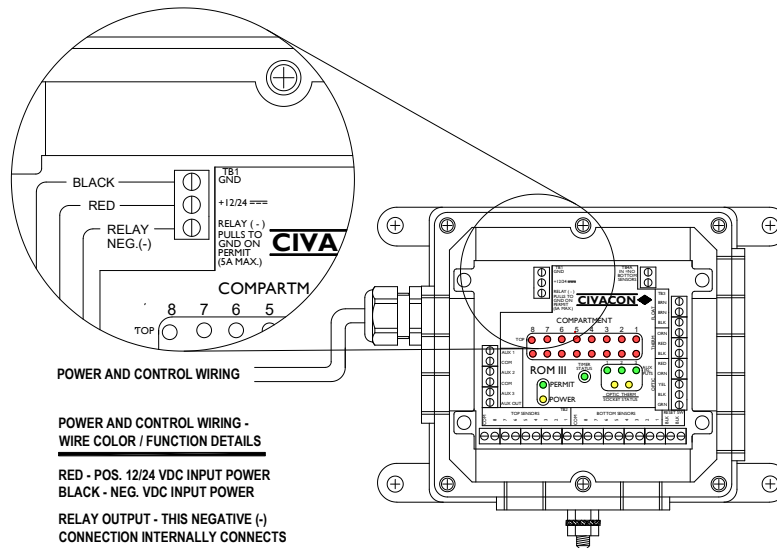
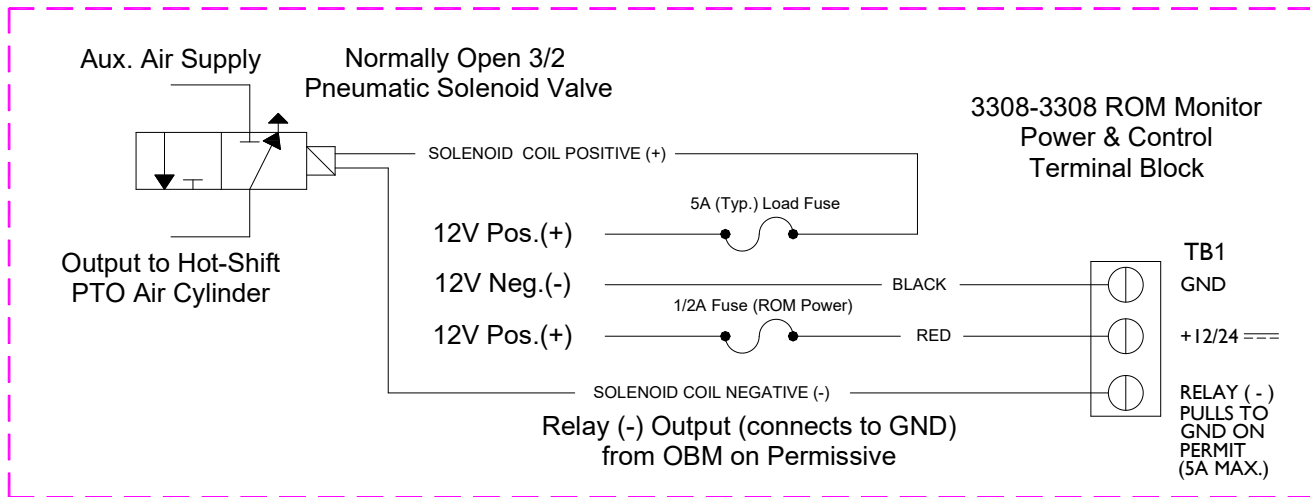


ROM III Onboard Monitor – Non I.S. Relay Uses

02-14-002PB

HOT-SHIFT PTO APPLICATION

The wiring detail below shows implementation of on-board shutdown of the tanker’s air-operated “hot-shift” PTO. The solenoid operated valve will energize to enable the PTO to operate when the ROM III is in a permissive state (PERMIT) LED Lit. When the ROM III is non-permissive, the solenoid operated air valve will block air flow to, and exhaust the PTO’s air shift engagement.



POWER AND CONTROL WIRING

POWER AND CONTROL WIRING - WIRE COLOR / FUNCTION DETAILS

RED - POS. 12/24 VDC INPUT POWER

BLACK - NEG. VDC INPUT POWER

RELAY OUTPUT - THIS NEGATIVE (-) CONNECTION INTERNALLY CONNECTS "PULLS" TO GROUND WHEN OBM "PERMITS". CONNECT TERMINAL TO GROUND SIDE OF AUX. RELAY COIL OR SOLENOID VALVE COIL.

RELAY OUTPUT TERMINAL RATED AT 30 VDC, 5 AMP MAX.

FIGURE 1 – HOT-SHIFT PTO APPLICATION