



MNX External Interlock Setup Sheet

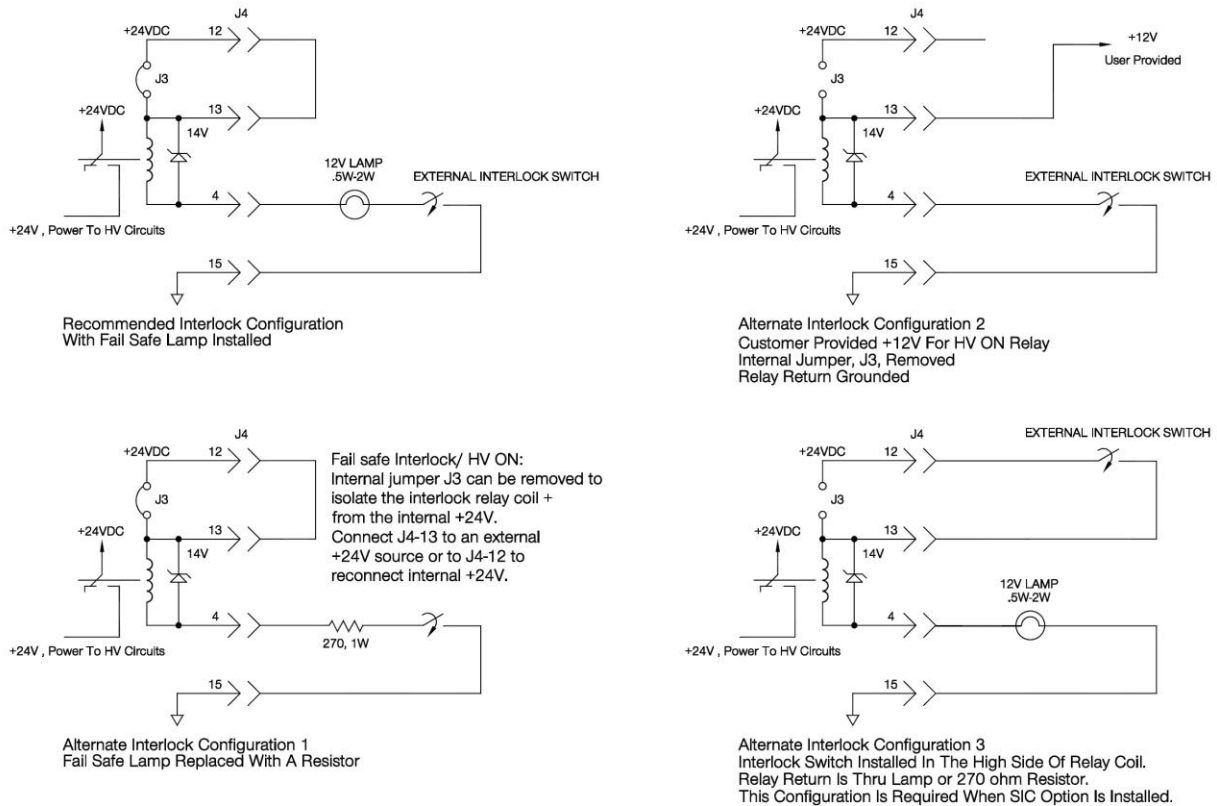


Figure 3.4 Recommended Interlock/HV On Configurations

EXTERNAL INTERLOCK:

Interlock connections are provided on the Analog Interface connector (J4) on the front of the chassis for connection to a safety switch. The unit will not operate unless the interlock circuit is closed. The recommended configuration is to close the interlock circuit through a 12V lamp rated for 0.5W to 0.8W and a safety switch. This configuration provides fail safe interlocking. During high voltage operation, opening the safety switch or failure of the 12V lamp will cause the High Voltage to shut OFF. This option should be used for safety interlock circuits.

If fail-safe interlocking of the X-ray On is not required the lamp can be replaced with a 270 Ohm, 1 W resistor. Provisions are provided for isolating the interlock relay coil from the internal +24V, allowing the user to connect the coil to an external +12V source. This eliminates the need for either the lamp or the 270-Ohm resistor allowing J4-4 to be grounded for HIGH VOLTAGE ON control. See Figure 3.4 for alternate interlock configurations.