

Emergency operation of multiple EC fans

EC WD 3

Many installations require operation of the fans when there is a failure of the control signal. The below diagrams indicate 2 methods to ensure fans operate at maximum speed upon operation of an external relay.

Diagram A

In the case of fans supplied with 4-20mA control signal, only the slave fans will operate at maximum speed on operation of the relay.

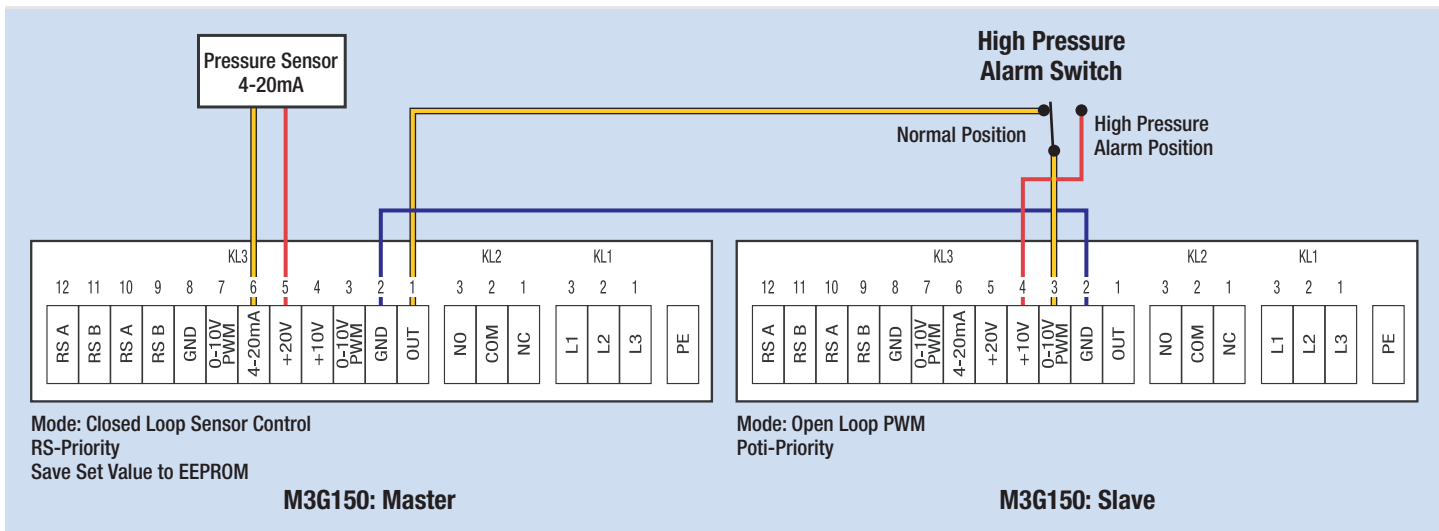
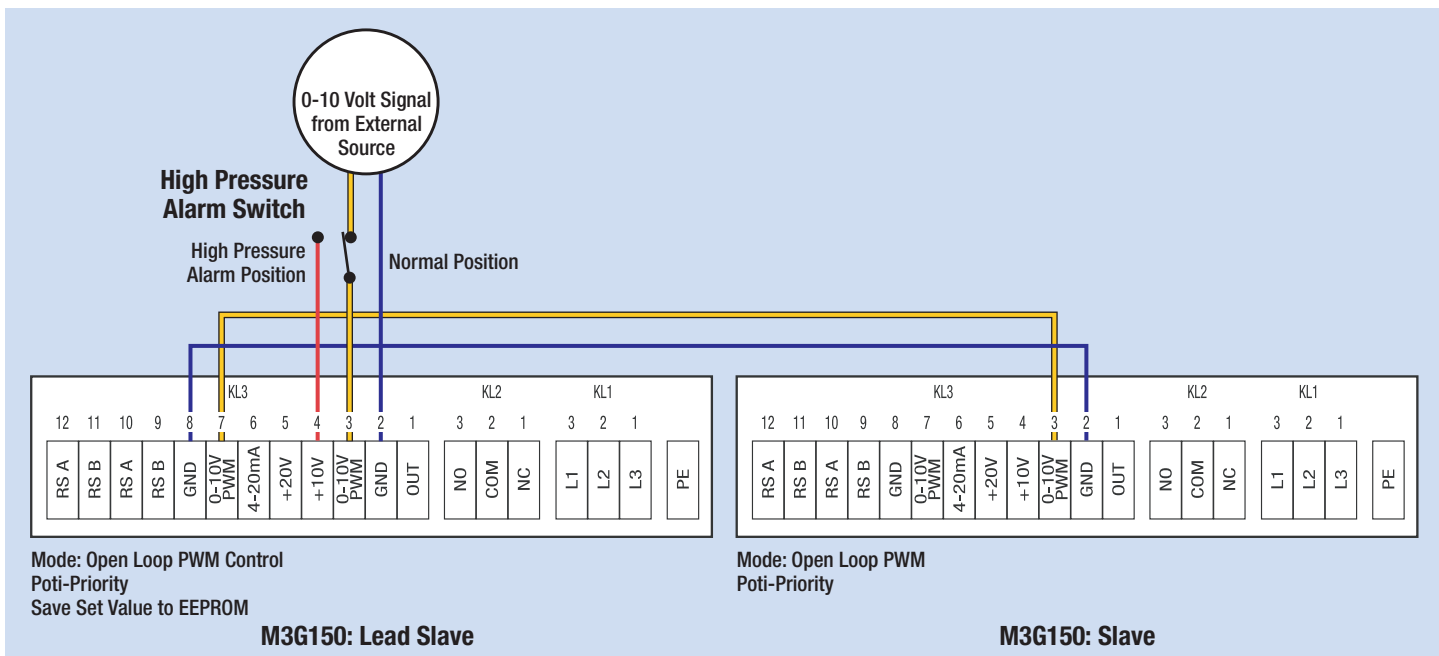


Diagram B

In the case of fans supplied with 0-10 volt control signal, all fans are slaves and will operate at maximum speed on operation of the relay.



In the case of refrigeration and air-conditioning condenser systems the relay may be controlled by a pressure switch in the head pressure line. In this case the fans will cycle on and off, in accordance with the settings of the pressure switch.