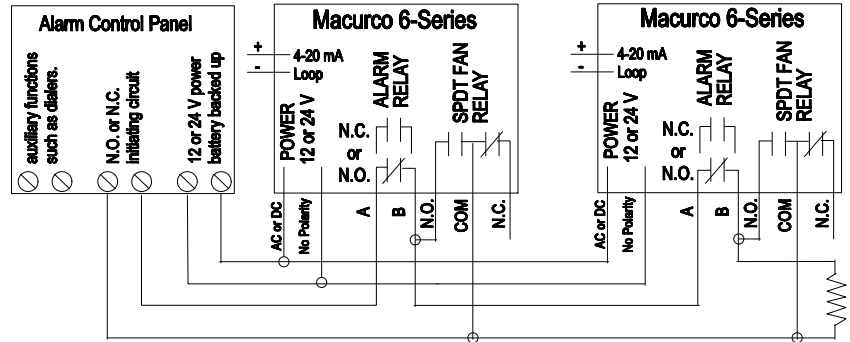


Alternate connection to alarm control panel

1. In this application the Fan or primary relay is used as a low level alarm relay. The Alarm or secondary relay is used as a supervisory relay when utilized in the normally closed configuration.
 2. The Macurco 6-Series detector monitors all critical functions of the unit through software diagnostics that continually test and verify its operations. If a problem is found, the unit will switch to a fail-safe/error mode or trouble condition.
 3. In this error mode the Fan* and Alarm relays will be activated indicating the trouble condition at panel and the detector display will flash the error.
- *See the Trouble Fan Setting Option

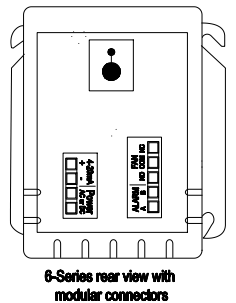
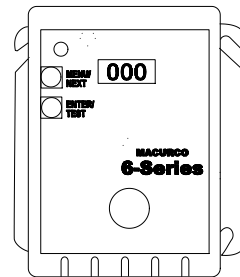
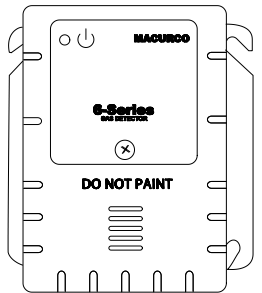
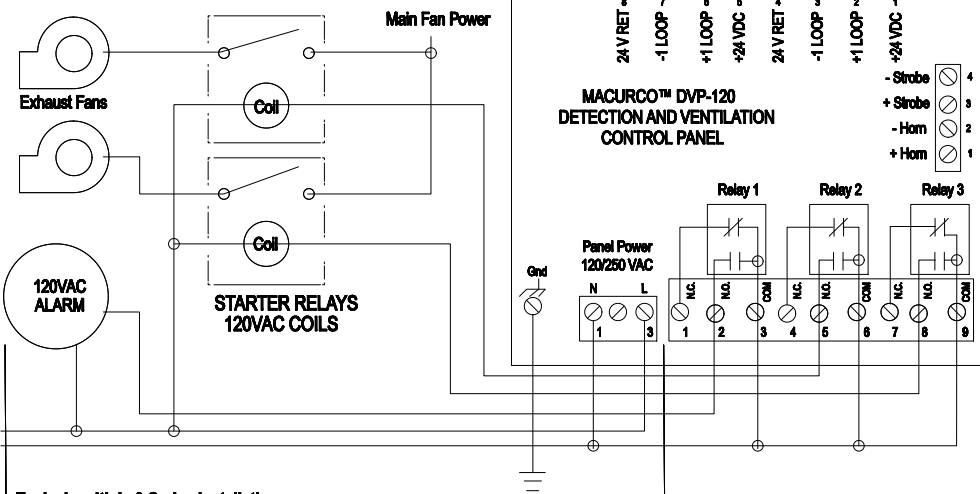


Alternate connection to alarm control panel

Typical connection to the Macurco™ DVP-120 Control Panel

Gas detection and exhaust fan control is provided by a Macurco™ DVP-120 system. This system will use Macurco gas transducers. Each transducer will measure the level of the target gas and provide this information to the DVP-120 over a 4-20mA current loop. The transducers operate on low voltage (24VDC). All power and signal connections for the transducers are provided from the DVP-120 control panel via unshielded four conductor cable. The DVP-120 control panel provides three relays which can be used for ventilation, fan control or alarm signaling. These relays (SPDT-Form C) are for pilot duty only, capable of switching 10 amps loads up to 240VAC.

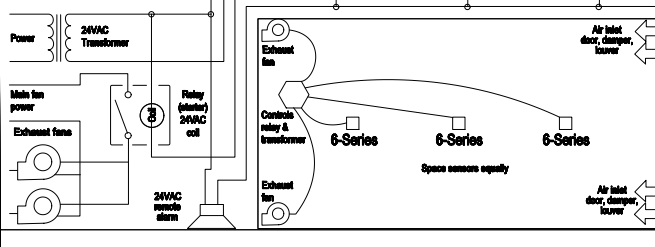
Note: Transducer power connections are non-polarized.



6-Series rear view with modular connectors

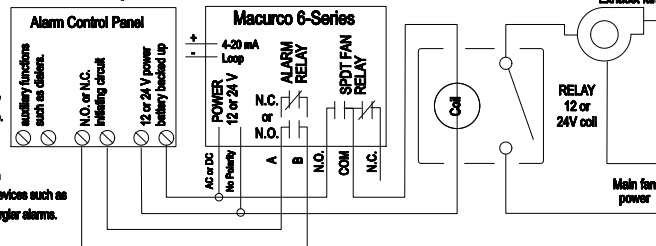
Typical multiple 6-Series installation

1. One sensor per 900 square feet (approximately).
2. Mount the detector based on the gas density.
3. See applicable building code for fan size and air changes per periods of time.
4. Make sure that there are air inlets to provide adequate air flow throughout the building.
5. The onboard dry contact relay can be used to switch up to 240V (see ratings).
6. Several fan relays (starters) may be used. Match the relays to the fan specifications.



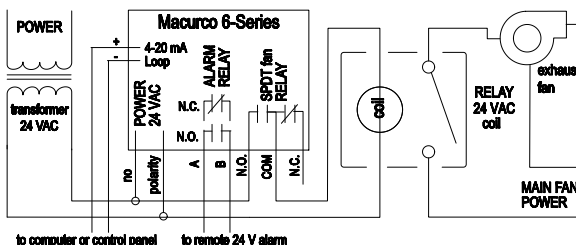
Typical connection to alarm control panel

1. The Macurco 6-Series can be used with 12VDC or 24VDC fire panels.
2. Alarm panel provides battery backed up power to the 6-Series Detector.
3. The onboard dry contact relay can use panel power or fan power (see ratings).
4. Match fan relay contacts to fan size and coil voltage to power source.
5. Alarm control panels are available with many features and can control other devices such as smoke detectors, fire detectors and burglar alarms.



TYPICAL CONNECTION OF MACURCO 6-SERIES

TYPICAL COVERAGE 900 SQUARE FEET



Typical layout in small garage

