

Remote Horn wiring to the Multichannel Controller

PureAir's Multichannel controller is capable of powering and controlling a Federal Signal 24-VDC horn and strobe. The multichannel controller is supplied with an internal 24 VDC regulated power supply and 5ea. +24 volt connections to use to power the horn and strobe.

The controller has 2ea. Common Relay contacts for all gas sensors connected to the controller. They can be set up and used to identify gas alarms or instrument faults. They're configured as normally open only and will close in an alarm condition.

NOTE: The PureAir factory set up is: ER1 = Gas Alarm; ER2 = Gas Alarm

The following is a diagram for connecting the Horn and strobe to the Multichannel controller.

(Connector locations 12, 13 & 14 are only used when connecting to Modbus)

Federal Signal
Horn & Strobe
LP7-18-30R
p/n 42002



18 AWG, two conductor,
stranded control and
instrumentation cable,
Belden 8461 or equivalent
can be used

