

# Model 20 AOB-RE Analog Output Board Remote Enclosure



## A Description

The Remote Model 20 Analog Output Board provides an isolated, 2-wire, 4 to 20 mA output signal for each of the Model 20's ten channels. It is connected to the Model 20 by doubling up on the return "R" terminal of each sensor input and the "AUX +17" and "AUX G" terminals. The Analog Output Board requires the customer's monitoring equipment to provide a 12 to 24 vDC supply voltage applied at the "+24" terminal, and returns 4 to 20 mA at the "SIG" terminal. If the

signal from the sensor is lost, the Analog Output Board returns a 0.5 mA signal.

## B Wiring

### Model 20 to Analog Output Board:

Stranded 18 AWG wire should be used to connect the Model 20 to the ReAnalog Output Board. These wires should be kept as short as possible (less than 4 ft.). The terminals on the Analog Output Board are labeled to match the terminals on the Model 20. The terminals used on the Model 20 are the "CH1 R"

thru "CH10 R" and "AUX G" and "AUX +17." There will be two wires in each of these terminals, so care must be taken to assure that both wires in each terminal are making contact.

### Analog Output to Customer's Monitor:

The analog outputs are connected to the customer's monitoring equipment using the green pluggable terminal blocks. +12 to +24 vDC supply voltage should be applied at the "+24" terminal. A 4 to 20 mA signal is returned through the "SIG" terminal. Each output operates as a two wire, loop powered device.

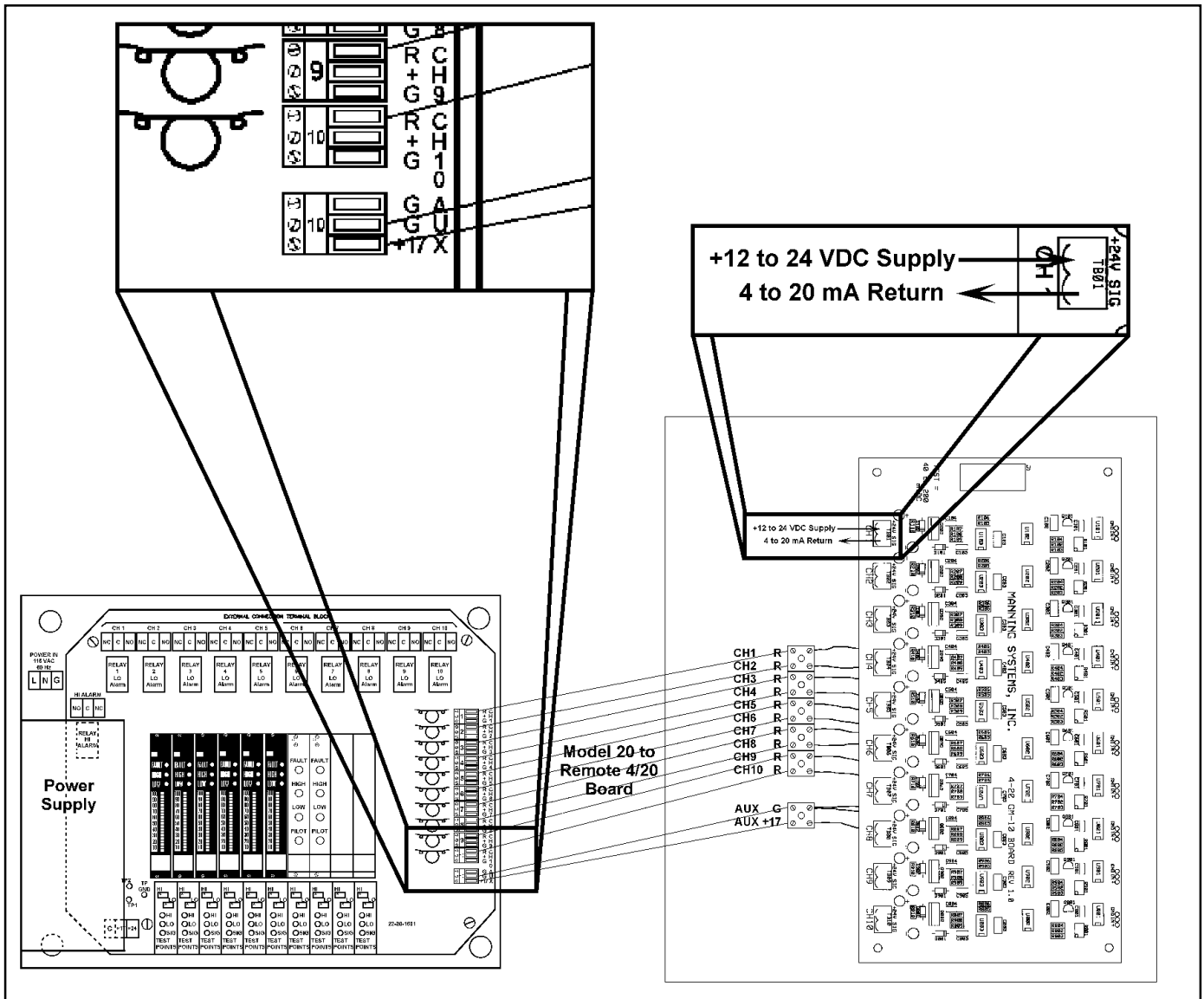


Figure 1: Wiring Diagram for the Model 20 AOB Analog Output Board - Remote Enclosure