



# TELEDYNE INSTRUMENTS

*Advanced Pollution Instrumentation*

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## Service Note

95-019 Rev B  
2 May, 2007

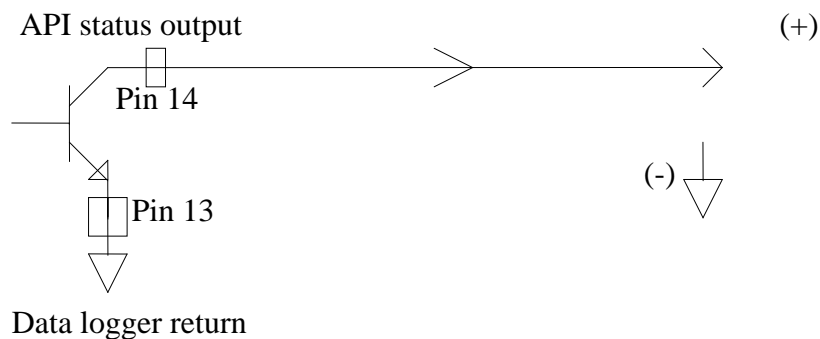
### STATUS OUTPUTS

All API analyzers provide status output option. This option reports various modes and conditions within the analyzer. This is done through on-off opto-isolator switching (not relay contacts). These transistor coupled switches can pass 50 m.a. of direct current. The transistor allows current to pass when the output is active.

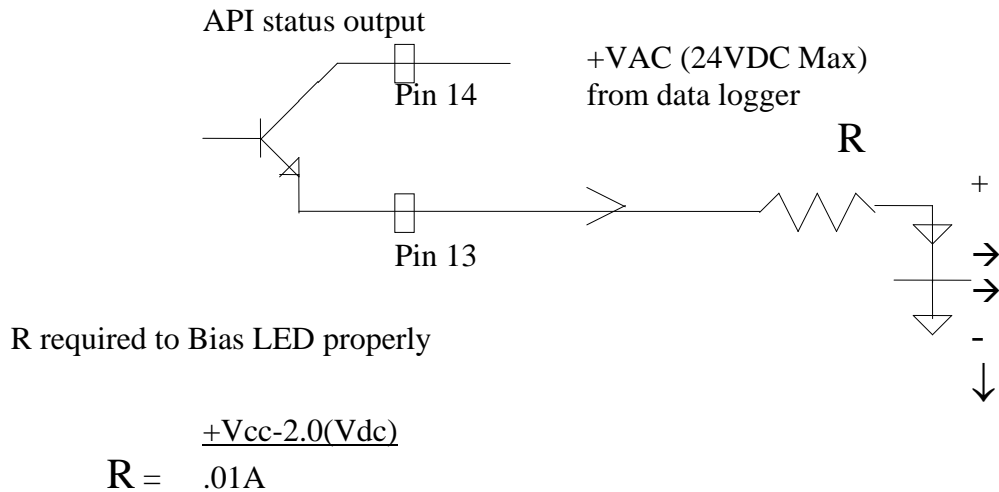
There are three common interface techniques between API instruments and data acquisition equipment.

The following drawings represent typical hook-ups. A listing of pin assignments can be found in the manual for your instrument.

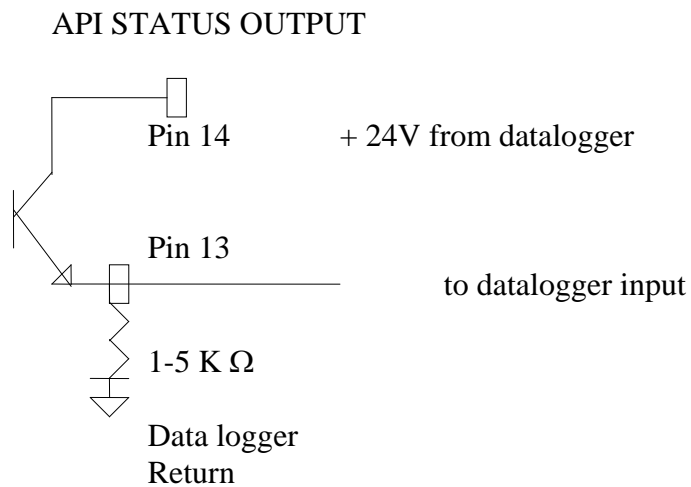
1. If the datalogger inputs are "TTL" then the configuration of the status output should be as follows (typical):



2. If the datalogger inputs are driven by current, when the logic is HIGH (e.g., input LED of the optocoupler)



3. If the datalogger supplies a voltage (e.g., 24V) and expects to see the voltage during a closure, connect as follows:



If you have special configuration needs for the status outputs interface, please contact API Customer Service Department.