

Absolute Process Instruments, Inc.

Manufacturer of Quality Signal Conditioners Transmitters & Isolators

Application Notes

- General Info
- Temperature
- Pressure
- Flow
- Speed
- Weighing
- Process

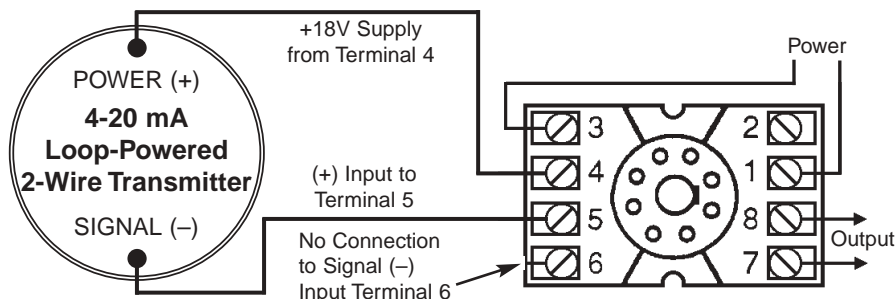
Using the Built-In 4-20 mA Loop Power Supply

Many Api modules have a built in loop power supply which can be used to power the 4-20 mA input current loop. The wiring diagrams below give examples of how a two-wire transmitter can be powered by the module's loop power supply and also provide input to the module.

When using the built-in loop power supply, there is no connection to the module's signal minus (-) input terminal. An **internal** 50 ohm resistor across the input terminals allows you to do this without any problems.

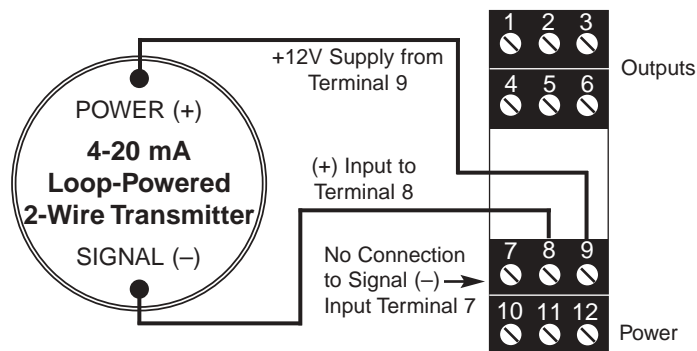
8-Pin Modules

- API 4010 G
- API 4050 G
- API 4300 G
- API 4310 G
- API 4380 G
- API 4380 GHV
- API 4385 G
- API 4440 G



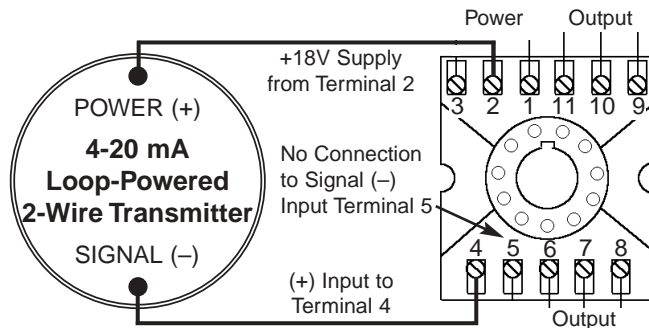
DIN Pack Modules

- API 1080 DIN
- API 1090 DIN
- API 1090 DD
- API 4380 DIN
- API 4380 DD



11-Pin Modules

- API 1005 G
- API 1025 G
- API 1040 G
- API 1080 G
- API 1090 G



Did You Know...?

Api plug-in style modules are hot-swappable. You can change them in the field while powered up in order to minimize downtime.

FREE APPLICATION ASSISTANCE
 Call **Customer Service**
800-942-0315