

API Plug-In Alarms

- Easy-to-install Plug-in Modules
- Wide Choice of Inputs: Volts AC/DC, Amps AC/DC, Process V/mA, Frequency, Thermocouple, RTD
- One DPDT Relay or Two SPDT Relays
- Field Adjustable Alarm Setpoint(s)
- Lifetime Warranty


▲ API1600
**▲ API1080
with API011**

SPECIFICATIONS

LoopTracker®:	Variable brightness green LED indicates input level & status
Alarm Setpoint(s):	0-100% of span, field adjustable
Test/Reset Button:	Toggle relay(s) to opposite state or resets latching relay
Response Time:	70 milliseconds typical
Relay Ratings:	7 A @ 240 VAC maximum resistive load, 3.5 A @ 240 VAC maximum inductive load, 8 A @ 30 VDC max.
Temperature:	-10°C to +60°C operating
Dimensions:	1.75" W x 2.75" H x 2.38" D (excluding socket)
AC Input:	40-1000 Hz sinusoid
Frequency Input:	100 mV to 150 Vrms, 10kΩ input Z, 600V DC or peak AC common mode
Thermocouple Input:	Automatic cold junction compensation & upscale burnout protection. Specify Type J, K, T, E, R or S & range
RTD Input:	Specify 0°C resistance (10-2000Ω), 2- or 3-wire, & alpha (385 typical).
Thermistor Input:	Specify PTC or NTC, temperature curve & range
Input Burden:	1.0 VDC typical @20mA on models with field selectable range
Loop Supply:	18 VDC nominal, unregulated, 25 mA

OPTIONS & ACCESSORIES

OPTIONS—add to end of model number

For Unshaded Fixed Range Models:

R	Reverse-acting alarms
L	Low trip (on decreasing signal)
HT	Latching alarm, push button reset
HP	Latching alarm, power-off reset

For Shaded Fixed Range Models:

R	Reverse-acting alarms
A	Adjustable deadbands, 1% to 100% of span, adjusted symmetrically about each setpoint
HH	HI/LO trip
LL	LO/LO trip

All Models:

U	Conformal coating for moisture resistance
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ACCESSORIES—order as a separate line item

API 011	11-pin socket	For chassis or
API 011 FS	11-pin finger safe socket	DIN rail mounting
API TK36	DIN rail, 35 mm W x 39" L, aluminum	

ORDERING INFORMATION

Field Selectable Range:

Model	Input Range	Alarm Relay	Deadband	Power
API 1080 G	24 selectable ranges, 0-50 mVDC to ±10 VDC, 0-1 mAADC to 4-20 mAADC, 18V @25mA loop supply	1 DPDT relay configurable for HI/LO, latching, normal/reverse	1-100% of span, 12 turn pot	115 VAC
API 1080 G A230				230 VAC
API 1080 G P				80-265 VAC, 48-300 VDC
API 1080 G D				9-30 VDC
API 1090 G	26 selectable ranges, 0-50 mVDC to ±10 VDC, 0-1 mAADC to 4-20 mAADC, 18V @25mA loop supply	2 SPDT relays configurable for HI/LO, latching, normal/reverse	1-100% of span, 12 turn pots	115 VAC
API 1090 G A230				230 VAC
API 1090 G P				80-265 VAC, 48-300 VDC
API 1090 G D				9-30 VDC

Factory Set Range:

Model	Input Range	Alarm Relay	Deadband	Power
API 1000 G	0-100 mVDC to 0-300 VDC or	1 DPDT relay HI alarm std. See options list.	1-100% of span, 12 turn pot	115 VAC
API 1000 G A230				230 VAC
API 1000 G P	0-1 mAADC to 0-900 mAADC (specify on order)	2 SPDT relays HI/LO alarms, internal jumper configurable for LO/HI.	Fixed 1% of span, standard. See options for adjustable deadband	80-265 VAC, 48-300 VDC
API 1000 G D				9-30 VDC
API 1000 G 5A	>0-900 mAADC to 0-5 ADC (specify on order) Includes API 011 socket w/0.1Ω 25W shunt	1 DPDT relay HI alarm std. See options list.	1-100% of span, 12 turn pot	115 VAC
API 1000 G A230 5A				230 VAC
API 1000 G P 5A	Includes API 011 socket w/0.1Ω 25W shunt	2 SPDT relays HI/LO alarms, internal jumper configurable for LO/HI.	Fixed 1% of span, standard. See options for adjustable deadband	80-265 VAC, 48-300 VDC
API 1000 G D 5A				9-30 VDC
API 1020 G	0-100 mVDC to 0-300 VDC or	2 SPDT relays HI/LO alarms, internal jumper configurable for LO/HI.	Fixed 1% of span, standard. See options for adjustable deadband	115 VAC
API 1020 G A230				230 VAC
API 1020 G P	0-1 mAADC to 0-900 mAADC (specify on order)	1 DPDT relay HI alarm std. See options list.	1-100% of span, 12 turn pot	80-265 VAC, 48-300 VDC
API 1020 G D				9-30 VDC
API 1020 G 5A	>0-900 mAADC to 0-5 ADC (specify on order) Includes API 011 socket w/0.1Ω 25W shunt	2 SPDT relays HI/LO alarms, internal jumper configurable for LO/HI.	Fixed 1% of span, standard. See options for adjustable deadband	115 VAC
API 1020 G A230 5A				230 VAC
API 1020 G P 5A	Includes API 011 socket w/0.1Ω 25W shunt	1 DPDT relay HI alarm std. See options list.	1-100% of span, 12 turn pot	80-265 VAC, 48-300 VDC
API 1020 G D 5A				9-30 VDC

API 1600 G	0-50 mVAC to 0-300 VAC or	1 DPDT relay HI alarm std. See options list.	1-100% of span, 12 turn pot	115 VAC
API 1600 G A230				230 VAC
API 1600 G P	0-1 mAAC to 0-900 mAAC (specify on order)	2 SPDT relays HI/LO alarms, internal jumper configurable for LO/HI.	Fixed 1% of span, standard. See options for adjustable deadband	80-265 VAC, 48-300 VDC
API 1600 G D				9-30 VDC
API 1600 G 5A	>0-900 mAAC to 0-5 AAC (specify on order) Includes API 011 socket w/0.1Ω 25W shunt	1 DPDT relay HI alarm std. See options list.	1-100% of span, 12 turn pot	115 VAC
API 1600 G A230 5A				230 VAC
API 1600 G P 5A	Includes API 011 socket w/0.1Ω 25W shunt	2 SPDT relays HI/LO alarms, internal jumper configurable for LO/HI.	Fixed 1% of span, standard. See options for adjustable deadband	80-265 VAC, 48-300 VDC
API 1600 G D 5A				9-30 VDC
API 1620 G	0-50 mVAC to 0-300 VAC or	2 SPDT relays HI/LO alarms, internal jumper configurable for LO/HI.	Fixed 1% of span, standard. See options for adjustable deadband	115 VAC
API 1620 G A230				230 VAC
API 1620 G P	0-1 mAAC to 0-900 mAAC (specify on order)	1 DPDT relay HI alarm std. See options list.	1-100% of span, 12 turn pot	80-265 VAC, 48-300 VDC
API 1620 G D				9-30 VDC
API 1620 G 5A	>0-900 mAAC to 0-5 AAC (specify on order) Includes API 011 socket w/0.1Ω 25W shunt	2 SPDT relays HI/LO alarms, internal jumper configurable for LO/HI.	Fixed 1% of span, standard. See options for adjustable deadband	115 VAC
API 1620 G A230 5A				230 VAC
API 1620 G P 5A	Includes API 011 socket w/0.1Ω 25W shunt	1 DPDT relay HI alarm std. See options list.	1-100% of span, 12 turn pot	80-265 VAC, 48-300 VDC
API 1620 G D 5A				9-30 VDC

API 1005 G	4-20 mA, 1.25VDC max burden, 18V @25mA loop supply	1 DPDT relay HI alarm std.	1-100% of span, 12 turn pot	115 VAC
API 1005 G A230				230 VAC
API 1005 G P				80-265 VAC, 48-300 VDC
API 1005 G D				9-30 VDC
API 1025 G	4-20 mA, 1.25VDC max burden, 18V @25mA loop supply	2 SPDT relays configurable for HI/LO, LO/HI, LO/LO, HI/HI	Fixed 1% of span, standard. See options for adjustable.	115 VAC
API 1025 G A230				230 VAC
API 1025 G P				80-265 VAC, 48-300 VDC
API 1025 G D				9-30 VDC

API 1700 G	Frequency, (specify range on order) Min: 0-10Hz, Max: 0-20kHz	1 DPDT relay HI alarm std.	1-100% of span, 12 turn pot	115 VAC
API 1700 G A230				230 VAC
API 1700 G P				80-265 VAC, 48-300 VDC
API 1700 G D				9-30 VDC
API 1720 G	Frequency, (specify range on order) Min: 0-10Hz, Max: 0-20kHz	2 SPDT relays configurable for HI/LO, LO/HI, LO/LO, HI/HI	Fixed 1% of span, standard. See options for adjustable.	115 VAC
API 1720 G A230				230 VAC
API 1720 G P				80-265 VAC, 48-300 VDC
API 1720 G D				9-30 VDC

API 1200 G	Thermocouple type*, °C or °F temperature range (specify range on order)	1 DPDT relay HI alarm std.	1-100% of span, 12 turn pot	115 VAC
API 1200 G A230				230 VAC
API 1200 G P				80-265 VAC, 48-300 VDC
API 1200 G D				9-30 VDC
API 1220 G	Thermocouple type*, °C or °F temperature range (specify range on order)	2 SPDT relays configurable for HI/LO, LO/HI, LO/LO, HI/HI	Fixed 1% of span, standard. See options for adjustable.	115 VAC
API 1220 G A230				230 VAC
API 1220 G P				80-265 VAC, 48-300 VDC
API 1220 G D				9-30 VDC

*For RTD/thermistor input, change API1200 to API1400 or API1220 to API1420