

Action Instruments Plug-In Signal Conditioners, Isolators and Alarms

ENVIRONMENTAL SPECIFICATIONS

Isolation

Between Input, Output and Power

Limit Alarms: 1000 VDC

Signal Conditioners: 1500 VDC

Temperature Range: Operating: 0 to 60°C

Signal Conditioners: 1500 VDC

Humidity: 15 to 95% (@45° C)

Power: 120 VAC ±10%, 50/60 Hz

Consumption: 30W Typical, 5W Max

Agency Approvals: CSA per C22.2 and UL per UL508



ActionPak ▲

SPECIFICATIONS AND ORDERING INFORMATION

Model #	Function	Input	Input Span (Field Configurable)	Output (Field Configurable)
AP4380	Isolator Single	DC Volt	10 mV to 100V	DC Voltage (0-5V, 0-10V)
AP4390	Isolator Dual	DC Current	1 mA to 100 mA	DC Current (0-1 mA, 4-20 mA)
AP4382	Isolator (Bipolar Output)			DC Voltage (±5V, ±10V)
AP1080	Limit Alarm Single	DC Volt	10 mV to 200V	Single Trip (DPDT, 5A)
AP1090	Limit Alarm Dual	DC Current	1 mA to 100 mA	Single/Dual Trip (2 SPDT, 5A)
AP4351	Isolator	Thermocouple	B: 500°C to 1820°C E: -150°C to 1000°C J: -200°C to 750°C K: -200°C to 1370°C R/S: 50°C to 1760°C T: -150°C to 400°C	DC Voltage (0-5V, 0-10V) DC Current (0-1 mA, 4-20 mA)
AP1280	Limit Alarm Single		Single Trip (DPDT, 5A)	
AP1290	Limit Alarm Dual		Single/Dual Trip (2 SPDT, 5A)	
AP4081	Conditioner		Bridge	10 mV to ±200 mV
AP6380	Conditioner	AC Voltage	50 mV to 200 VAC 5 mA to 100 mA AC	DC Voltage (0-5V, 0-10V) DC Current (0-1 mA, 4-20 mA)
AP1690	Limit Alarm Single		AC Current	10mA to 100 mA AC
AP7380	Conditioner	Frequency	2 Hz to 10 kHz	DC Voltage (0-5V, 0-10V) DC Current (0-1 mA, 4-20 mA)
AP7500	Conditioner	DC (Fixed Range)	Specify: 4-20 mA, 0-10V, 1-5V, 0-5V, 0-10V, or 10-50 mA	Frequency (0-9 ppm up to 0-10 kHz) TTL: 0/6V
AP7501	Conditioner	DC (Fixed Range)	Specify: 4-20 mA, 0-10V, 1-5V, 0-5V, 0-10V, or 10-50 mA	Frequency (0-0.12 ppm up to 0-130 ppm) DPDT Relay: 5A Max
AP4003	Conditioner	Potentiometer (Wide Ranging)	Specify: 0-100% pot 100Ω to 100Ω pots	DC 0-20mA, 4-20 mA, 0-5V, 0-10V

MOUNTING ACCESSORIES FOR ACTION PRODUCTS

Mounting Hardware (for ActionPak IQ and SlimPak)

MD02 TS32 DIN Rail, 2 Meters, Slotted (G-Rail)

MD03 TS35 x 7.5 DIN Rail, 2 Meters, Slotted (H-Rail)

Mounting Hardware (for Action Pak Only)

MD08 8-Pin DIN Rail Socket (Surface or Rail Mountable)

MD11 11-Pin DIN Rail Socket (Surface or Rail Mountable)

These sockets mount on standard DIN Rails MD02 or MD03