

# Ultra SlimPak™

## DIN Rail Mount Signal Conditioners, Isolators, & Alarms



Ultra SlimPaks are high density, DIN Rail mount, setpoint limit alarm and isolating signal conditioner modules. All Ultra SlimPak modules utilise Action's advanced, ASIC-based design for field configurable input and output flexibility.

- **Field Configurable**
- **Wide Ranging**
- **High Density DIN Rail Mount**
- **ASIC Based Design for Maximum Reliability**

### SPECIFICATIONS

Isolation:	1800VDC between input, output and power (except G438)
Operating Humidity:	15 to 95% @ 45°C
Temperature Range	Operating: 0 to 55°C Storage: -25 to 70°C
Power Consumption:	1.5W typical, 2.5W max.
Supply Range:	9 to 30VDC (except G448 is 18 to 30VDC)
Agency Approvals:	UL; CSA; CE

### ORDERING INFORMATION

Part Number	Function	Input	Input Span (Field Configurable)	Housing Width	Output (Field Configurable)
G408	Isolator	DC Volts DC Current	10mV to 100V 1mA to 100mA	12.6mm	DC Voltage (0-5V, 0-10V) DC Current (0-1mA, 0-20mA, 4-20mA)
G408-1001					DC Voltage (-5 to +5V, -10 to +10V)
G108	Limit Alarm		10mV to 200V 1mA to 100mA	17.5mm	Alarm (Dual SPDT Relay)
G418	Isolator	3 Wire RTD	Platinum: 100, 500, 1000 Ohm with 16 ranges from -200 to 600°C down to -18 to 50°C  Copper: 10, 25, 100 Ohm with 9 ranges from -200 to 260°C down to -18 to 50°C  (50% adjustment in any range)	17.5mm	DC Voltage (0-5V, 0-10V) DC Current (0-1mA, 0-20mA, 4-20mA)
G118	Limit Alarm			17.5mm	Alarm (Dual SPDT Relay)
G428	Isolator	Thermocouple	Type B: 500 to 1820°C Type E: -150 to 1000°C Type J: -200 to 750°C Type K: -200 to 1370°C Type R/S: 50 to 1760°C Type T: -150 to 400°C	12.6mm	DC Voltage (0-5V, 0-10V) DC Current (0-1mA, 0-20mA, 4-20mA)
G128	Limit Alarm			17.5mm	Alarm (Dual SPDT Relay)
G438	Isolator	Potentiometer	100 ohms to 100k ohms	12.6mm	DC Voltage (0-5V, 0-10V) DC Current (0-1mA, 0-20mA, 4-20mA)
G448	Isolator	Strain Gauge	0 to 200mV +/-5mV to +/-200mV Excitation: 1-10VDC @ 120 mA	17.5mm	DC Voltage (0-5V, 0-10V) DC Current (0-1mA, 0-20mA, 4-20mA)
G468	Isolator	AC Volts AC Current	50mV AC to 250VAC 50mA AC to 100mA AC	12.6mm	DC Voltage (0-5V, 0-10V) DC Current (0-1mA, 0-20mA, 4-20mA)
G168	Limit Alarm			17.5mm	Alarm (Dual SPDT Relay)
G478	Isolator	Frequency	2Hz to 10kHz	12.6mm	DC Voltage (0-5V, 0-10V) DC Current (0-1mA, 0-20mA, 4-20mA)
WW905	Power Supply	AC Power	100 to 240VAC, 50 to 60Hz	22.5mm	24VDC @ 500mA