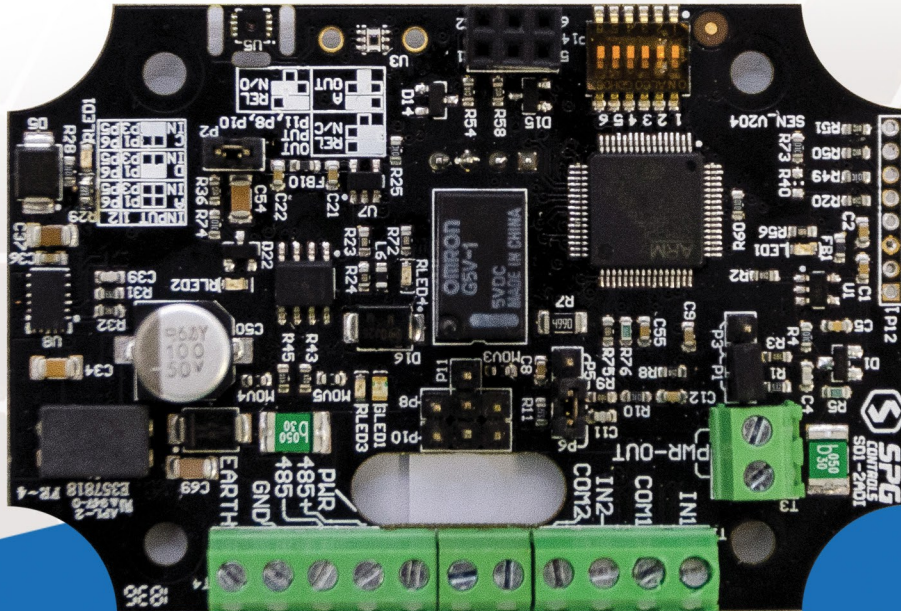
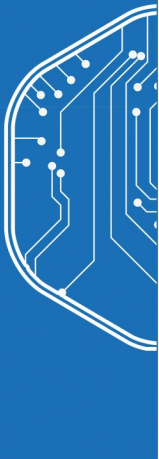


# SPG Sensor

## Remote Expansion Device



The SPG Sensor interface card provides an easy expansion for an S1000 Smart Controller to provide analogue sensing information to be collected and then used to make local decisions as well as passing to ARCO Platform for logging. The Sensor device runs on OSDP communication, and up to 16 devices can connect to an S1000 Smart Controller. Each sensor board supports onboard Temperature and Humidity, Light detection and an Accelerometer for movement detection. Each board has digital/analog inputs and outputs to support integration and monitoring of third-party devices. Also available is an optional add-on board for Gas Leak and IR Remote Control capabilities.



Temperature and Humidity Sensors



Light, Movement and Vibration detection



2 Analog or Digital Inputs software programmable



1 Relay output or analog output software programmable



Supports OSDP (up to 1000m)



Auxiliary power supply output



Optional: Real-time Air Pressure Smoke and Hazardous Gas detection



Optional: InfraRed controller

## Technical Specifications

Temperature Sensor range	-40 to 125 degrees C
Humidity Sensor range	0-100%
Light Sensor range	0.1Lux to 83K Lux
Motion Sensor range	3 Axis Gyroscope: 250, ±500, ±1000, and ±2000 degrees/sec 3 Axis Accelerometer: 2g, ±4g, ±8g, and ±16g
Hazardous Gases Detected	LPG, Butane, Propane, Methane, Alcohol, Hydrogen and Smoke
Inputs	0-10V, 0-20mA or 1K-50K monitored EOL
Outputs	1 Relay N/O or N/C selectable 1A@24V or 0-10V Analog output
Operating Temperature	-40 to 85 degrees
Operating Humidity	5% to 95%
Power consumption	20mA idle, Max 60mA with Relay activated and inputs terminated
Dimensions	80mm x 56mm
Weight	50g



## Ordering Information

Part Number	Product Code	Description
200110	SD1-2ADI-PCB	Sensor Remote Expansion Device PCB only
200111	SD1-2ADI-PENC	Sensor Remote Expansion Device in a Standard Sealed Outdoor SPG Plastic Enclosure
200112	SD1-2ADI-TENC	Sensor Remote Expansion Device in an SPG Plastic Temperature Enclosure
200113	SD1-ADIS-TENC	Sensor remote expansion device with additional gas detection and IR control in Plastic Enclosure