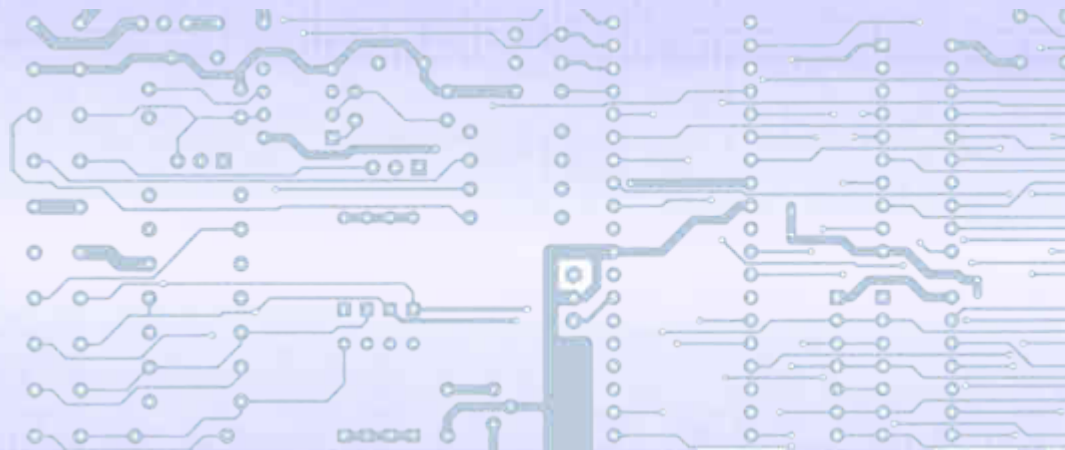
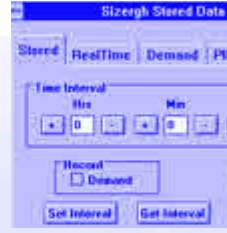


Sizegh

The Sizegh Controller

A Patented, Advanced, Closed Loop controller and Interface Programme (SIP) for a wide range of Industries. Not trying for World domination, but to Provide simple Customer Value and Benefit



Sizergh Controller Key Benefits

Key Benefit 1: Cost efficiency (Use only the components that the system needs)

The *Sizergh* Controller only needs 12-36V DC, a sensor and fan/motor/pump/load to work. The optional display, rotary selector and front panel need only be used when required. This means it meets many applications for less than the price of a Programmable Logic Controller (PLC) or inverter. It may be freestanding or have a local or remote PC interface and provides selection, control, adjustment, historical logging and download.

Notes: 1) Most PLC's need to use several standard elements to offer the *Sizergh* controller features and are more expensive. PLC software changes to enable system adjustment take time and are costly to validate.

2) Inverters which have Proportional, Integral and Differential (PID) three term control and PC communications more expensive and they do not have on board memory.

Key Benefit 2: Flexibility (9-24V sensors)

Any of a wide range of linear sensors, which are powered by a voltage supply of 9 to 24V, may be used as long as they give an output voltage between 0-20, 4-20mA, 0-5 or 0-10V. The controller provides an adjustable voltage power supply to the sensors used.

Key Benefit 3 Convenience (Free-standing or local / remote PC connectivity)

It may be freestanding or have a local or remote PC interface. The Optional *Sizergh* Interface Programme (SIP) provides for a Serial, USB, Bluetooth or network connection to a PC. The SIP provides system selection and adjustment, data logging selection and data upload directly to a local or Internet based PC as required.

Key Benefit 4: Near universal connectivity (AC and DC fans, motors, pumps or loads)

You may use PWM, 0-5V and 0-10V to drive high efficiency AC powered ECM DC fans/motors. Alternatively, you may use inverters or phase angle voltage control taking 0-5V or 0-10V input to drive conventional AC fans/motors. You may also use on board or external power transistors to drive AC and DC fans/motors.

Key Benefit 5: Regulatory compliance (Control and multi-channel logging; CE and ATEX compliant, 21CFR part 11 exempt)

Legislation is progressively calling for a historic log of controlled systems and maintenance based on seeing how the achieved performance varies from the selected performance, measured filter blockage or given number of running hours. You can see and log your system performance without external instrumentation. You can save hours of manufacturing time by being able to test the dynamic performance of your system without external instrumentation. You can see how your equipment is being used. Selected performance, or dynamic response performance, may be adjusted without the need for PLC software validation.