



Cert. No. LRQ 0963008

ISO 9001

LC1300 Level Controller

Description

The Spirax Sarco LC1300 offers pump control together with low and high alarms operating on supply voltages from 98 to 264 Vac. It is designed for use with conductivity probes in conductive liquids. The controller is suitable for use with virtually all qualities of industrial waters from salt solutions or boiler water to condensate having an electrical conductivity as low as 1 $\mu\text{S}/\text{cm}$ at 25°C. The advanced electronics eliminate the need for setting up the various functions. With automatic wave filters on both the control and alarm functions the LC1300 gives accurate and reliable control under the very different conditions found in tanks and high output boilers.

Applications

The LC1300 controller can provide the following functions:-

Power/alarm module	High or low alarm from a single probe input
Pump module	Pump control using two probe inputs
Alarm module	Extra alarm from a single probe input that can be configured for high or low alarm

Pressure / temperature limits

Maximum ambient temperature	55°C
Minimum ambient temperature	0°C

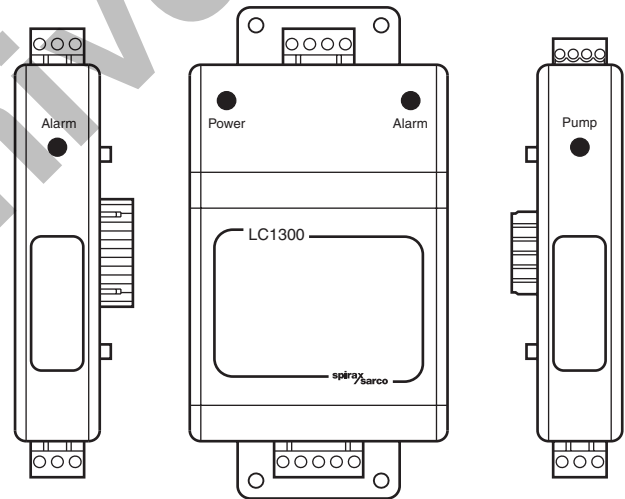
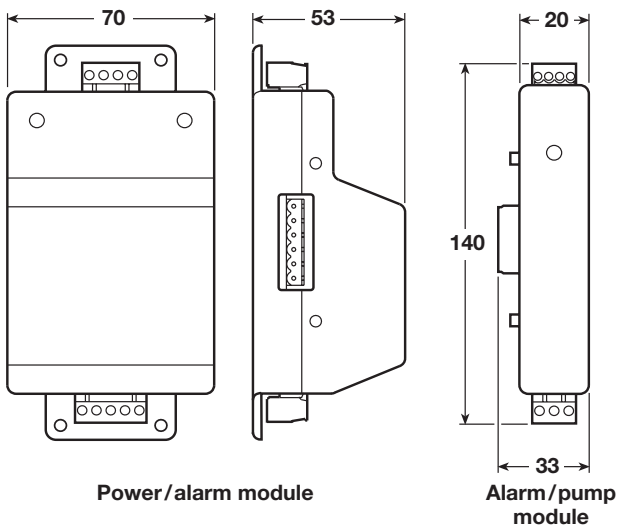
Technical data

Mains supply voltage	99 - 264 Vac
Frequency	50 - 60 Hz
Maximum power consumption	6 VA
Maximum cable length (controller to probe)	30 m (98 ft)
Minimum conductivity when used with a Spirax Sarco LP10-4 probe	1 $\mu\text{S}/\text{cm}$ at 25°C

Materials

Enclosure	HIPS
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Dimensions (approximate) in mm



Weight in kg

Power /alarm module	0.50
Pump module	0.07
Alarm module	0.07

How to order

Example: 1 off Spirax Sarco LC1300 level controller power /alarm module complete with pump and alarm modules.

Safety information, installation and maintenance

For full details see the Installation and Maintenance Instructions supplied with the product.

Installation note:

The controller should be installed in an enclosure or control panel to provide environmental protection. Spirax Sarco can provide suitable enclosures. The controller may be screwed direct into the chassis plate or mounted on a 'top-hat' DIN rail using the mounting clip provided.

Screened cable is required for the probe. A suitable cable is Pirelli / Prysmian FP200 or Delta Crompton Firetuf OHLS 3 or 4 core, 1 mm². The same cable may also be used for the mains wiring.

Note: Individual wiring diagrams and commissioning information is given in the Installation and Maintenance Instructions supplied with the module.