

# spirax/sarco®

## LC1300 Level Controller

### Description

The Spirax Sarco LC1300 offers pump control together with low and high alarms operating on supply voltages from 99 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

### Limiting conditions

Maximum ambient temperature	131°F (55°C)
Minimum ambient temperature	32°F (0°C)
Maximum cable length (controller /probe)	330Ft (100 m)
Minimum conductivity	1 $\mu\text{S}/\text{cm}$ at 25°C

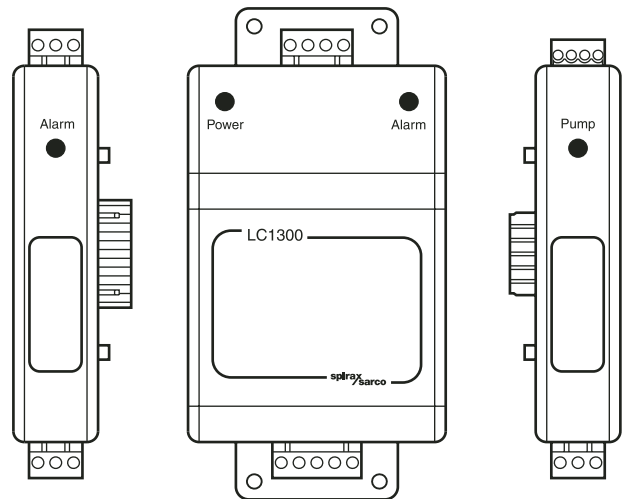
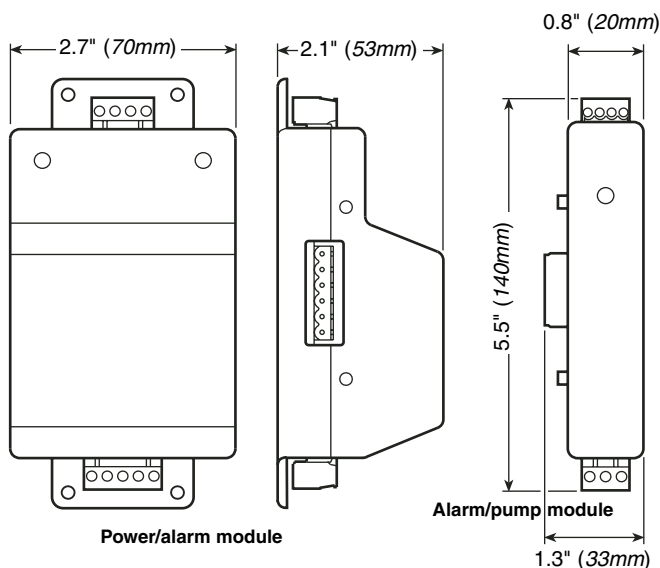
### Technical data

Mains supply voltage	99-264 Vac
Frequency	50-60 Hz
Maximum power consumption	6 VA

### Materials

Enclosure	HIPS
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### Dimensions (approximate) in inches and mm



### Weight in lb

Power /alarm module	1
Pump module	0.5
Alarm module	0.5

### How to order

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

### Installation

#### Warning:

**Isolate the controller from the mains supply before touching any of the controller terminals, as these may be wired to mains voltage.**

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 FP200 or Delta Crompton Firetuf OHLS 3 or 4 core, 1 mm<sup>2</sup>. 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.

*Local regulation may restrict the use of this product below the conditions quoted. Limiting conditions refer to standard connections only. In the interests of development and improvement of the product, we reserve the right to change the specification.*