

CONTROL ... CONSERVATION THROUGH CONTROL ... CONSERVATION**LP-10 Legionella Protect - technical info sheet**

To protect against Legionella, the LP-1 Legionella Protect control dumps water above a preset temperature allowing fresh, cool water to lower the temperature to a safe level. When the temperature of the pipework drops to a preset temperature (typically 2°C lower) the valve closes again. This prevents water stagnation and the potential buildup of Legionella bacteria.

Features:

- Automatic protection
- Digital temperature displays
- Ready wired - easy to install
- User adjustable parameters
- Wall mounting enclosure
- Alarm output

**What does it do?**

Each LP-10 Legionella Protect control is supplied ready wired with nominal 1.8m lengths of cable for 230v AC power, solenoid valve and a temperature sensor. It is thus 'Plug & Play' and ready to use. A Calibration Certificate is also supplied for the individual sensor and controller.

The control parameters are user adjustable and may be preset to suit specific locations. An alarm output is provided to interface with BMS or other equipment for monitoring purposes.

Technical Specification:

Power supply: 100 - 240v AC

Temperature sensor: PT100, silicone patch type with individual Calibration Certificate

Controller: with 0.4" orange led digital display of preset temperature (SV) and 0.5" green led display of measured temperature (PV). The preset temperature and differential can be user adjusted. Resolution 0.1°C

Alarm output: Normally Open contact rated at 5A 250v AC. Contact closes should temperature exceed preset temperature by 1°C

Solenoid valve: Brass Normally Closed (fail safe), ½" BSP female threads, 13.5mm orifice, pressure range 0.35 - 10 Bar, WRAS approved.

Indicator: Blue 'Cooling' LED lights to show when solenoid valve is open.

Cables: Sensor, power and valve cables are supplied to a nominal 1.8m length. Core size 0.75mm.

Enclosure: ABS size 180 x 130 x 125mm, W x H x D suitable for wall mounting.

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