



Intelligent Pump Switch - IPS2



The Intelligent Pump Switch is an energy saving automatic switch designed specifically for circulation pumps of low-temperature floor heating systems.

In most homes, the circulation pump of the floor heating system works 24/7. The device switches the pump on only when there is heat demand and circulation is required, reducing its energy consumption dramatically up to 85%.

The Intelligent Pump Switch features an advanced algorithm that automatically determines the optimal switching on/off moment, by tracking the temperature of the warm supply tube through its digital temperature sensor.

Additionally, the switching temperature and other settings can be altered manually if desired, using the control panel with easy to read LCD screen and touch buttons.

The Intelligent Pump Switch is compatible with all conventional circulation pumps and is easy to install.¹

Alternatively, the Intelligent Pump Switch can also be used as a thermostat in various cooling and heating applications.



Easy Plug & Play installation

Installation is easy and takes less than 5 minutes.



Energy saving

Saves up to 85% of the energy consumption of the circulation pump, equal to € 135 (675 kWh) yearly.²



Longer lifetime of the circulation pump

Since the circulation pump is no longer working 24/7, its lifetime can be extended.



Increased in-home comfort

Eliminates unnecessary noise from the pump. Your floor stays warm longer.



Environmentally friendly manufactured

Produced with a holistic view on material and waste management. RoHS compliant.



3-year limited warranty³

Advanced configuration

Intuitive control panel

Using the LCD screen with backlight and the touch buttons, navigation through the menu is easy and allows for quick configuration.

Three programmable modes

Choose for automatic setting of the switching temperature using the 'Intelligent Pump Switch' mode for easy configuration and optimal performance. Or if you want manual control of settings, there is a mode for that too. Alternative, you can use the 'Thermostat' mode for using the appliance as a thermostat in various cooling and heating applications.

Adjustable temperature scale

Option to display temperatures in °C or °F with precision of one decimal.

Anti-jamming protection

To protect the circulation pump from jamming when the floor heating system is inactive for longer than 24h (e.g. during summer), there is an option to automatically switch on the pump for 1 min every 24h.

Adjustable hysteresis

The hysteresis (the temperature difference between switching on and off) can be altered manually by steps of 0,5 °C if desired.

No switching delay

The digital temperature sensor detects temperature changes within 6 seconds. There is no programmed delay between on/off switching of the pump. This ensures optimal regulation and quick response of the floor heating system.

Technical specifications

Input	110 V to 250 V AC, 50 Hz to 60 Hz	Sensor type and precision	Digital temperature probe, $\pm 0,1$ °C
Max relay load	1600 W / 7 A (resistive)	Sensor cable length	2 meter
Power consumption	< 0,35 W	Sensor range	-10 °C to 100 °C (14 °F to 212 °F)
Back-up	Flash memory ⁴	Switching temperature setting	3 °C to 80 °C (37 °F to 176 °F)

¹ All conventional circulation pumps with or without manual speed control are compatible. For energy A-label pumps refer to the manual.

² Energy saving calculation based on a 90 W pump, 1200 heating hours per year and an electricity price of €0,20 / kWh.

³ Terms and conditions apply. A copy of the complete terms and conditions can be sent by the manufacturer on request.

⁴ Settings are saved in flash memory for back-up, therefore they are unaffected by power interruptions or outages.

