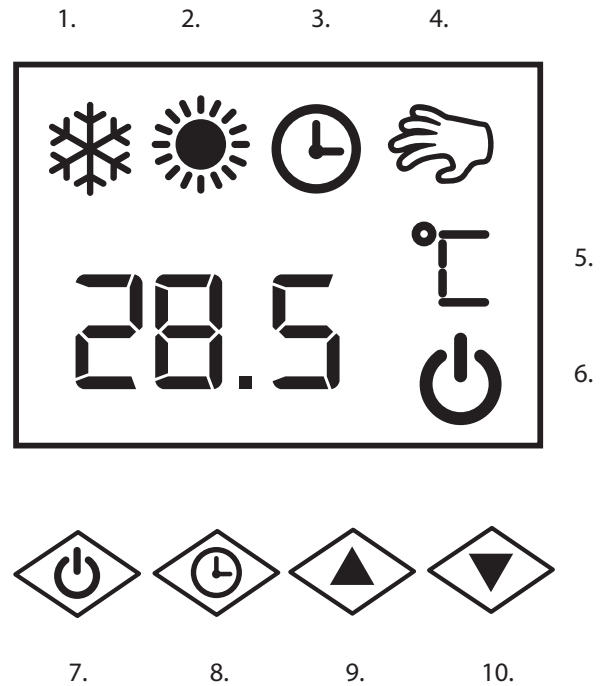# MAGNUM HEATING
Comfort | Safety | Control

1. Symbol for frost protection
2. Pump switch enabled / ON
3. 24 hour-cycle enabled
4. Symbol for manual
5. Environment temperature and programmed temperature
6. Pump switch disabled / OFF
7. ON/OFF-button
8. 24 hour-cycle protection (prevents stuck pump)
9. Programmed temperature ?naar boven bijstellen?
10. Programmed temperature ?naar beneden bijstellen?

Functies en Informatie

Temperature-setting
- When the temperature is below 0°C, 'LO' appears on the display. When the temperature is above 60°C, 'HI' appears on the display.
- When the clipsensor is not correctly installed or doesn't heed any heat, '----' appears in the display. Temperature measurement takes place every 10 seconds.

Default view
- When the E00 Pump Switch is enabled, the symbols for 'sensed temperature' and 'pump switch enabled' appears on the display. (Image 1&2)

Tempelature-setting
- Press button ▲ or ▼ change the programmed temperature.
- During the settings, the symbol for manual will blink on the display (Image 2).
- After 10 seconds, the default view automatically appears on the display.

'ECO Pump Switch' in use
- The symbol ☀ appears on the display on the moment, the pump switch is enable.

Relay-protection
- The relay has an internal switching delay of circa 10 seconds.

24 hour-cycle protection
- When the 24 hour-cycle protection function is enable, the symbol ⏲ will appear on the display. The pump switch will be enabled for 1 minute if the pump hasn't been active for 24 hours.

Vorstbeveiliging
The frost protection is always enable and switches the HY-02 automatically on when the temperature is below 5°C.

The frostprotection symbol ❄ appears on the display.

'Back-up memory'
The pump switch automatically stores the settings in the (flash) memory.

Weergave °C or °F
Adjust view from 0°C to 60°C;
press the button ⏲ for about 7 seconds.
Factory setting: display in °C.

Standaard Instellingen
Temperature display:	0°C to 60°C
Accuracy:	0,5°C
Temperature adjustment:	5°C to 49°C
Factory setting:	28°C

Garantie en service
The ECO pump switch HY-02 is a product of U-Heating Store BV.

E: info@magnum.nl   T: +31 (0) 164-712 122

?Op de pompschakelaar wordt een garantie van 3 jaar verleend?*

*) Mankementen of defecten die te wijten zijn aan ondeskundige of oneigenlijk gebruik of foutieve aansluiting vallen buiten deze garantie.
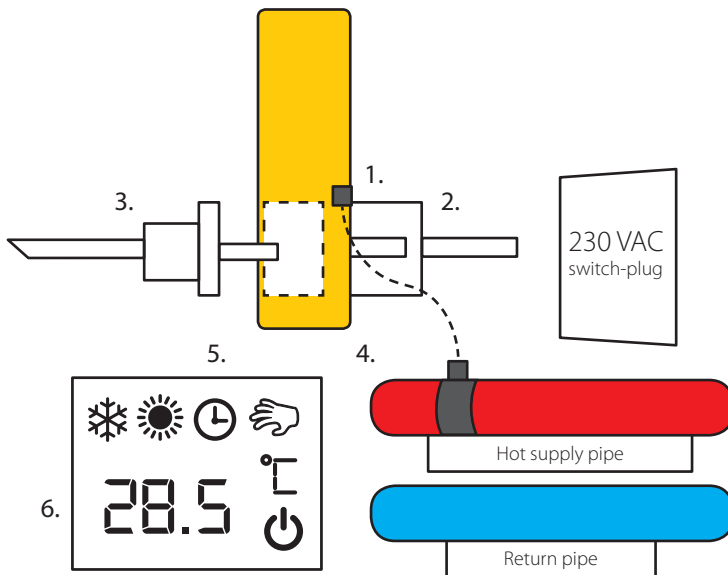
Image 1   Image 2

GEBRUIKSAANWIJZING

The ECO pump switch HY-OZ is a switch voor circulatiepompen van vloerverwarmingssystemen en werkt door middel van een sensorclip die op de aanvoerleiding naar de verdeler/ collector geklemd wordt.

230 VAC
switch-plug

❄️ ☀️ 🕐 ✋

28.5

Hot supply pipe

Return pipe

1. Steek het stekkertje van de clipsensor in de aansluiting aan de zijkant van de schakelaar.

2. Place the "HY-02 ECO Pump Switch" in the switch-plug.

3. Plug the circulation pump in the pump switch.

4. Plaats de clipsensor op de aanvoerleiding naar de vloerverwarmingsverdeler/collector.

5. Activate the 24 hour cycle.
   The symbol 🕐 is now visible.

6. Stel de gewenste in- en uitschakeltemperatuur in (fabrieksinstelling is 28℃)

☀️ Appears on display when enabled

When the temperature of the water in the supply pipe is above the programmed temperature, the connected pump will be enabled. When the temperature is below the programmed temperature, the pump will be disabled.

If the pump hasn't been active for 24 hours (for example on sunny days), the switch will enable the pump for 1 minute to prevent a stuck pump (24 hours cycle)

The HY-O2 is also provided with a frost protection, the protection will work when the temperature is below 5℃.

Technical specifications
Supply Voltage: 230 VAC (+10% / -15%) 50/60 Hz.
Relay switching contact: 230 VAC 50/60 Hz. — 8A max. (resistive)
Sensor version: 100k. clipsensor
Temperature: 5℃ ~ 60℃
Humidity Limit: 5% - 95% (not-condensed)

Technical details
Setting range: 5℃ ~ 60℃
Accuracy: ± 0,5℃
Information display: actual and programmed temperature
Temperature: adjustable
Back-up: flash memory
Clipsensor: 3 metre cable with clip

ON/OFF-function

- The on/off button of the pump switch has a short delay to prevent accidentally turning on and off.
- Press for circa 5 seconds the ON/OFF button to enable or disable the ECO Pump Switch.
- When enabled, ☀️ appears on the display; the pump switch is now in use on the basis of preferences.
- When disabled ⏻ appears on the display; the pump switch and the relay are now disabled.