

Relay Controller

46008 / 46028



The SALUS 46008 Relay Controller for underfloor heating systems is the perfect interface between thermostats and actuators. It ensures precise control for optimum comfort and efficiency. Volt-free connections for Pump and Boiler integration, 120 VAC power input, 24 VAC outputs, and Night Set Back control allow the AKL08 to fit any situation.

The 46028 version adds wireless thermostat communication for quick and simple system installation, as well as support for Heat/Cool changeover and dew point sensing.

Features & Benefits

- 8 zones, up to 4 actuators each
 - Volt-free connections available for pump and/or boiler integration
 - Works with NC or NO actuators
 - Night Set Back feature in wired thermostat model
 - Sturdy contemporary design
- 46028
- Wireless thermostats for quick and simple installation, saving time and wiring costs
 - Integrates via the SALUS Smart Home app with other compatible SALUS devices to allow full Smart Home functionality



AquaHeat

Radiant heating and snowmelting products



AquaSeal

Pex piping and plumbing products



AquaMelt

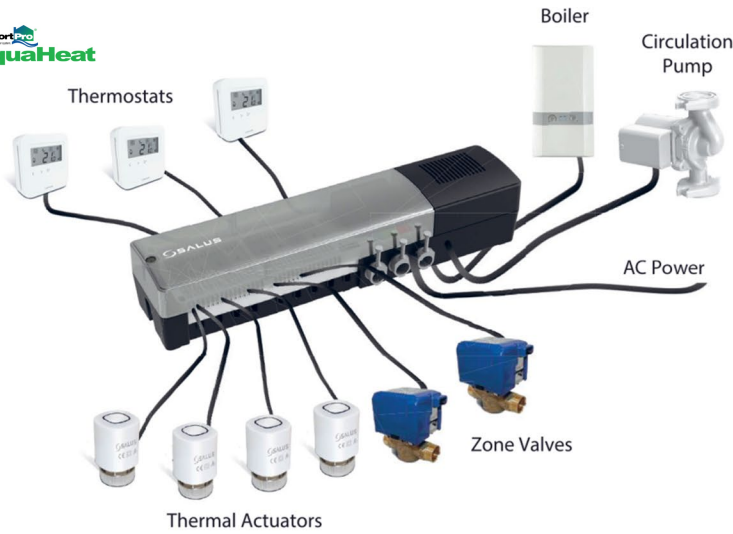
Snowmelt Systems



Terre-Pex

Pre Insulated Pex-A Piping Systems

System Overview



Specifications

46008

46028

| Specifications | 46008 | 46028 |
|---|-------|-------|
| Controls | | |
| Reset (pinhole button) | ✓ | ✓ |
| Network button | | ✓ |
| Indicators | | |
| Zone LED | 8x | 8x |
| Boiler Enable | ✓ | ✓ |
| Pump Enable | ✓ | ✓ |
| Power | ✓ | ✓ |
| Heat / Cool | | ✓ |
| Network | | ✓ |
| Group 1 | | ✓ |
| Group 2 | | ✓ |
| Configuration Switches | | |
| NC / NO Actuators | ✓ | ✓ |
| 0 / 15 min Boiler Delay | ✓ | ✓ |
| Internal / External Antenna | | ✓ |
| Terminals | | |
| Power In (L, N, GND) | ✓ | ✓ |
| Actuator Outputs (4x) | 8x | 8x |
| Boiler Contacts: max. 120 VAC, 3 A resistive | ✓ | ✓ |
| Pump Contacts: max. 120 VAC, 10 A resistive | ✓ | ✓ |
| Thermostat Terminals (L, N, SL, ⏻) | 8x | |
| Night Set Back (L, ⏻ 1-4, ⏻ 5-8) | ✓ | |
| USB Type A port | | ✓ |
| Heat / Cool contact inputs | | ✓ |
| Dew point contact inputs | | ✓ |
| External Antenna | | ✓ |
| Mechanical | | |
| Weight: 7.5 lb, 3.4 kg | | |
| Dimensions: 19.0" x 4.3" x 3.8", 483 x 109 x 96 mm | | |
| Power | | |
| Supply: 120VAC, 60 Hz | | |
| Fuse: 5x20 mm, 250 V, 4.0A fast-acting, High breaking current | | |
| Radio (AKL08RF) | | |
| 802.15.4 (2.4 GHz), Zigbee HA1.2 based protocol | | |
| Environmental Conditions | | |
| Operating: 32 - 122 °F, 0 - 50 °C, 5 - 95% RH, non-condensing | | |
| Storage: -4 - 140 °F, -20 - 60 °C, 5 - 95% RH, non-condensing | | |
| Agency Compliance | | |
| FCC, Industry Canada | | |
| ETL listed to UL-60730-1 and CAN/CSA-E60730-1 | | |
| Warranty | | |
| 5 years limited warranty | | |
| Compatible Devices | | |
| A30NO24, A30NC24, A30NC24EW Thermal Actuator | | |
| AC10RF Zigbee Coordinator | | |
| AHTR3024 Digital Thermostat | | |
| AHTR5024 Programmable Thermostat | | |
| AKL08 Volt Relay Controller | | |
| AKL08RF Volt Relay Controller | | |
| ANT10RF External Antenna | | |
| AWRT10RF Wireless Radiant Thermostat | | |
| AX10RF Zigbee Receiver (remote contact) | | |
| SG888ZB Universal Gateway | | |

Note: Specifications are subject to change without notice

