

Relay Controller

AKL08RF



The SALUS AKL08RF 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 AKL08RF features wireless thermostat communication for quick and simple system installation, as well as support for Heat/Cool changeover and dew-point sensing.

Benefits

- Built-in 24 VAC transformer simplifies wiring
- Control either NC or NO actuators
- Keep wiring organized with built-in wire guides
- Eliminate the need for end switches with built-in three-minute ON delay
- Save installation time and wiring cost with SALUS wireless thermostats
- Integrate additional Salus Smart Home accessories and the Smart Home App for a complete connected home system

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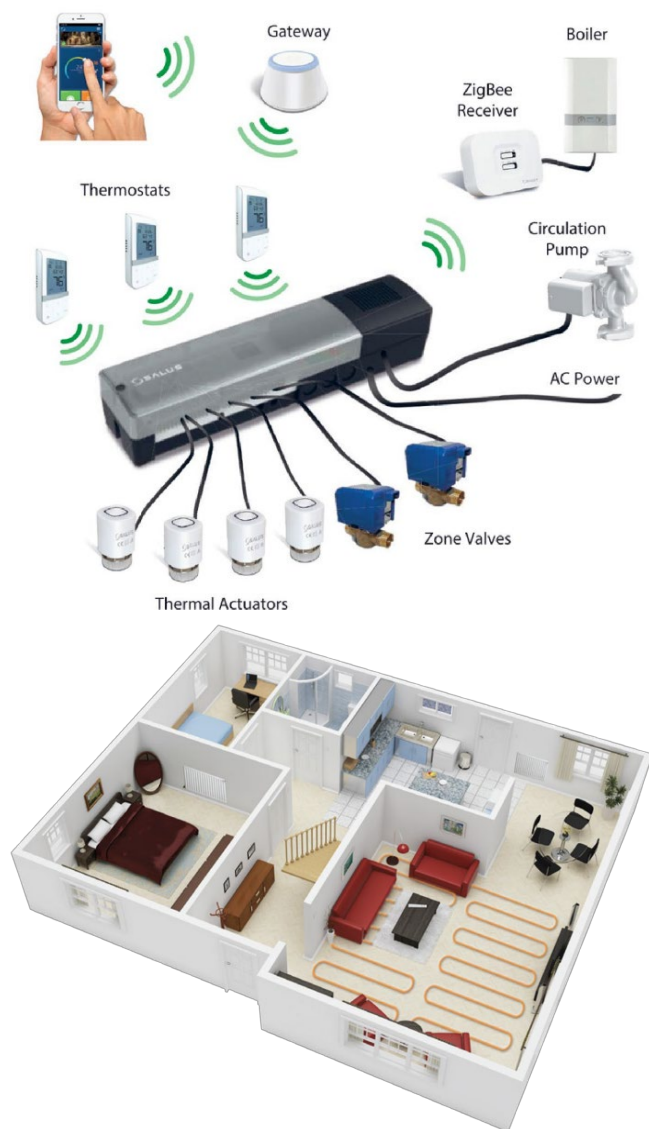
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The SALUS logo consists of a stylized 'S' symbol followed by the word 'SALUS' in a bold, sans-serif font with a registered trademark symbol.

Features

- Internal 24 VAC power transformer rated 3.3A
- Powered outputs for up to 8 zones
 - 4 actuators per zone or
 - 1 zone valve per zone
- Quick connect output terminals
- 3-minute pump ON delay – no end switch required
- 0/15 minute boiler OFF delay
- Built-in wire guides
- Accepts 2- or 3-wire thermostat inputs
- Individual or grouped night setbacks

System Overview



AKL08RF Specifications

Controls

Reset (pinhole button)
Network button

Indicators

Zone LED – 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)
Zone Outputs 8 zones, 32 actuators, or 8 zone valves per zone 80VA (max)
Boiler Contacts: 5A @ 120VAC
Pump Contacts: 1/3HP @ 120VAC (max)
USB Type A port (for AC10RF Coordinator)
Heat/Cool change-over 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

Environmental Conditions

Operating: 32 - 122 °F, 0 - 50 °C, 5 - 95% RH, non-condensing
Storage: 10 - 140 °F, -10 - 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
AH2430 Auto-balancing Actuator
ANT10RF External Antenna
AWRT10RF Wireless Radiant Thermostat
AX10RF Zigbee Receiver (remote contact)
SG888ZB Universal Gateway

Note: Specifications are subject to change without notice

Order Details

Model Name: Relay Controller

Model	Single Unit UPC	Carton GTIN
AKL08RF	817852020045	10817852020042 (4pcs)

