

Relay Controller

AKL08 / AKL08RF



The SALUS AKL08 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 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
- AKL08RF
- 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

SALUS NORTH AMERICA, INC.

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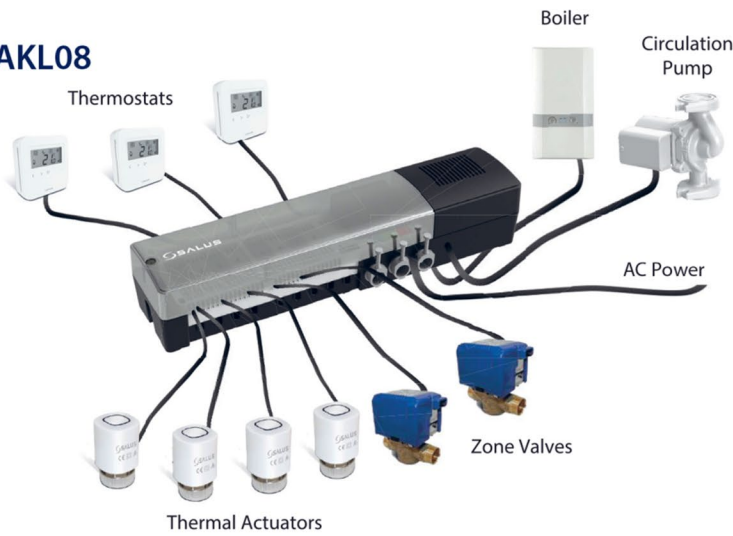
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SALUS®

System Overview

AKL08



AKL08RF



Specifications

AKL08

AKL08PRF

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

Order Details

Model Name: Relay Controller		
Model	Single Unit UPC	Carton GTIN
AKL08	817852020038	10817852020035 (4 pcs)
AKL08RF	817852020045	10817852020042 (4pcs)

