

# 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.

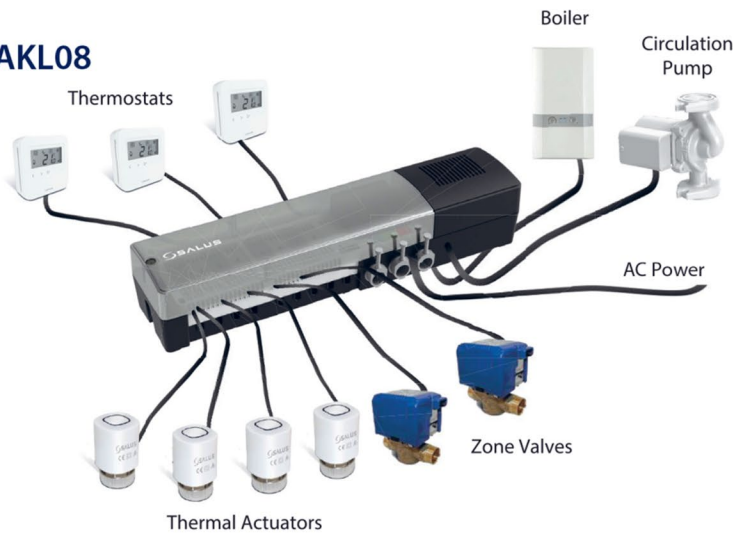
The AKL08RF version adds wireless thermostat communication for quick and simple system installation, as well as support for Heat/Cool changeover and dew point sensing.

### 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

# System Overview

## AKL08



## AKL08RF



## Order Details

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

## Specifications

AKL08 AKL08PRF

Controls	AKL08	AKL08PRF
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

