

# HH1 | The HH Mechanical Smokehouse Controller

## Technical Data Sheet

The HH Mechanical Smokehouse Controller is a modern, easy-to-use and reliable controller designed specifically for the food industry. It is capable of being retrofitted to work with all brands of systems.

### Areas of Application

- Smoking, Cooking, Baking, Maturing, Intensive Cooling, Climate and Climate Smoking.



## Features

- 10" Touch Screen Display
- 4 Haptic Buttons for main function control
- Network ready for data collection / API integration for existing HACCP
- RJ45 Connector
- 2 x USB Ports (updates, Lonsmoke integration, etc.)
- Converters, Belimo Flaps
- RFID Scanner (optional)
- 6 x Triple PT100 Sensor or 4 x Quadruple PT100 Sensor
- Electrical Sensors – 4 Inputs (0-20mA, Fully Calibratable)
- Phase 1 – 24 Relays (24V/110V/230V)
- Phase 2 – 8 Relays (24V/110V/230V)
- 10 Optocouplers for Monitoring, Individual Connection up to 32 Relays
- Compact & easy to install

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### Software

- Fully customizable to integrate with all system brands and existing schematics
- Control function for: time, core temperature, humidity, temperature, pH value, F value, pressure and smoke transmission
- Delta-T and special core temperature curve (differential cooking)
- 50 individually adjustable process steps (cooking, drying, smoking, heating, reddening, etc.)
- 99 program options, with up to 99 process steps within the program
- Complete user management including individual entries/change tracking
- F value and P value cooking, C value recording
- Option for continuous operation or individually adjustable times
- Lot number and trolley number tracking
- Celsius and Fahrenheit capabilities
- Temperature sensor monitoring and alarm system
- Available in multiple language formats: English, French, German, etc.
- Proportional controller for heaters run time
- Mid-program changeable setpoint

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### Specifications

Operating Temperature:	-10°C to 55°C
Humidity:	20% - 85%
Controller Cutout:	236mm x 316mm vertical
Frame Width:	15mm
Depth:	105mm
Weight:	3.02kg
Protection:	IP65 (front)
Voltage:	80V to 264V (AC) 113V to 370V (DC)
Output Power:	20W (up to 45W maximum)
Phase 1/Phase 2:	24V AC/DC, 110V AC or 220V AC
Overvoltage Category:	III
Spring Terminals:	Min 0.25mm <sup>2</sup> - max 2.5mm <sup>2</sup>
Sensor Spring Terminals:	0.75mm <sup>2</sup> ferrules
EMC Directive:	No: 2014/30/EU and 2014/35/EU
Based On:	EN 55011 Class B EN 61000-4-2:2009-12, EN61000-4-4:2013-04

*\*All technical data is subject to change.*

