HH1 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, Ionsmoke 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

Software

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

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^2 - max 2.5mm^2
Sensor Spring Terminals:	0.75mm^2 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.*