



## Product description

Our Controller 1 is a wireless Integrated I/O module which provides one relay output, four digital inputs and two temperature/light sensor inputs.

The Controller 1 can communicate directly with a WEMS BACnet® Gateway and can also provide hopping for wireless sensors to greater extend their range

## Features

- 1 x 5A relay (NO/NC)
- 4 x digital inputs
- 2 x temperature/light sensor inputs
- High performance wireless narrow-band operation
- License-free use (ISM bands)
- DIN rail mount
- Status LEDs
- Local relay override button

## Specification

### Temperature & Humidity

Operating Temperature Range	-10 to +50°C
Operating Humidity	< 75% RH (Non-condensing)
Storage Temperature	-20 to +85 °C
Storage Humidity	< 90% RH (Non-condensing)
Cooling	Convection

### Power

Supply Voltage	230VAC (Resistive/Inductive Load)
Current Consumption	3W (13mA)

### Relay

Relay Contact Rating	5A max @ 230VAC (Resistive/Inductive load) 5A max @ 30VDC (Resistive/Inductive load)
Relay Mechanical Life Expectancy	10,000,000 operations per minute
Relay Electrical Life Expectancy	100,000 operations min (max load)

### Inputs

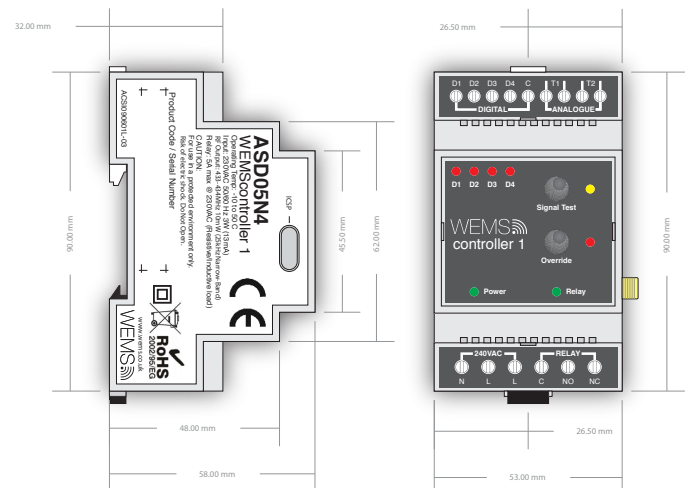
Thermistor Input	10K Thermistor 10K3A1 (Resistive)
Digital Inputs	Volt-free (internal DC supply used)

### Wireless

Frequency	433.05-434.79MHz
Output	8dBm
Sensitivity	-115dBm
Bandwidth	25kHz
Channels	69
Antenna	Female 50Ω SMA (SubMiniature version A)

## Weight, Dimensions & Mounting

Weight	216g (without antenna)
Width	53mm
Height	90mm
Depth	58mm
Enclosure	UL94-VO flame retardant PC, IP20 rated
Mounting	35mm DIN rail (EN 50022, BS 5584, DIN 46277-3) or direct surface mount. Optional adaptor for G rail mounting



## Compliances

### EMC

EN 301489-1: 2008  
EN 55022: 2006  
EN 61000-4-3: 2006  
EN 61000-4-2: 2001  
EN 61000-4-4: 2004  
EN 61000-4-5: 2006  
EN 61000-4-6: 2005  
EN 61000-4-11: 2004  
EN 61000-3-3: 1995

### Wireless

EU R&TTE directive for 25KHz  
EN 300 220 EMC standard for short range devices  
EN 301 489 EMC standard for radio equipment and services

### Safety

EN 60950: Information technology equipment  
EN 60730: Automatic electrical controls  
EN 50366: Domestic equipment

## Product Codes

### Controller 1

ASD05N4