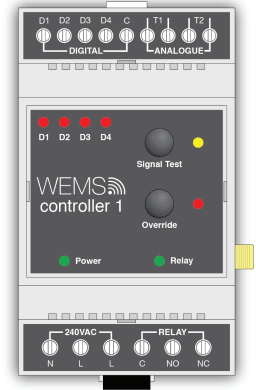


Product Description

The WEMSccontroller 1 is a 230VAC powered intelligent wireless input/output module for WEMS international's wireless building management system. Providing 1 relay output, 4 digital inputs and 2 temperature/light sensor inputs.

i For product operation and installation information please refer to the WEMSccontroller 1 user manual.



Features

- High performance wireless narrow band operation
- Up to 2km line-of-sight range
- Multi-hop wireless protocol
- License-free use
- 69 selectable RF channels
- Low power consumption
- 5A Relay Output NO/NC with failsafe
- Relay status LEDs
- Relay output override button
- 4x Digital Inputs configurable for status, alarm and pulse count
- Digital Input status LEDs
- 2x Thermistor / light sensor inputs
- Signal test/discovery button
- DIN rail mount

Compliance

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

Safety

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

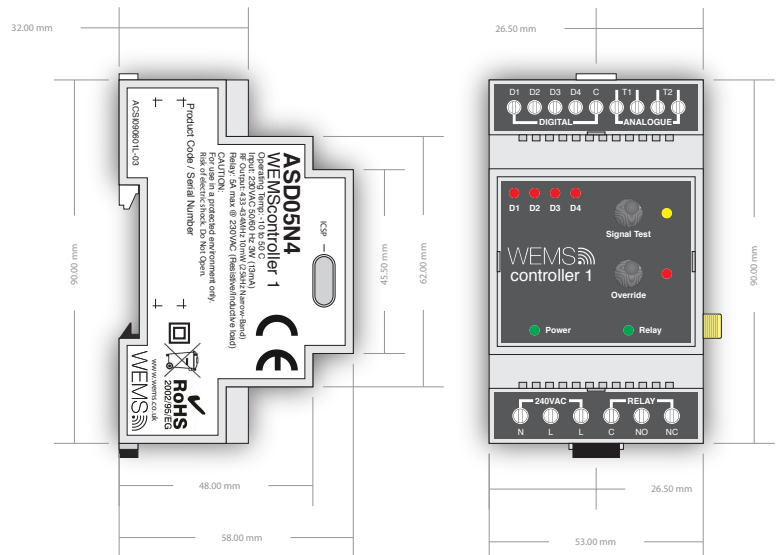
Wireless

- 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

Specifications

Operating Temperature Range	-10 to +50 DegC
Operating Humidity	< 75% RH (Non condensating)
Storage Temperature	-20 to +85 DegC
Storage Humidity	< 90% RH (Non condensating)
Cooling	Convection
Supply Voltage	230VAC 50/60Hz
Current Consumption	3W (13mA)
Relay Contact Rating	5A max @ 230VAC (Resistive / Inductive load) 5A max @ 30VDC (Resistive / Inductive load)
Relay Mechanical Life Expectancy	10,000,000 operations min
Relay Electrical Life Expectancy	100,000 operations min (max load)
Thermistor Inputs	10K Thermistor 10K3A1 (Resistive)
Digital Inputs	'Volt-free' (Internal DC supply used)
Antenna Connector	Female 50Ω SMA (SubMiniature version A)
Antenna	
RF Frequency	433.05 - 434.79MHz
RF Output	8dBm max
RF Sensitivity	-115dBm
RF Bandwidth	25kHz (Narrow band)
RF Channels	69
Weight	216g (Without antenna)
Enclosure	UL94-VO flame retardant PC, IP20 rated
Terminal Covers	UL94-VO, IP20 finger protection
Mounting	35mm DIN rail (EN 50022, BS 5584, DIN 46277-3) or direct surface mount. Optional adaptor for G rail mounting

Dimensions



WIRELESS ENERGY MANAGEMENT SYSTEMS INTERNATIONAL
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