



2016

Modbus/BACnet Catalogue

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Room Controller

WRF08

WRF08 Room operating unit for temperature measurement and operation of HVAC, Lighting and blind control. High quality optics and design available with various glass, stone, or stainless steel designed frames for high end applications. Programmable operating function keys allowing flexibility for custom room designs. The universal WRF08 is available in LON, Modbus and BACnet communications thus allowing



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Modbus		
WRF08 2T RS485	Room Temperature, 0..+50 °C, programable buttons 2, IP30, Setpoint, LCD	€ 340.50
WRF08 4T RS485	Room Temperature, 0..+50 °C, programable buttons 4, IP30, Setpoint, LCD	€ 347.50
WRF08 8T RS485	Room Temperature, 0..+50 °C, programable buttons 8, IP30, Setpoint, LCD	€ 355.86
WRF08 12T RS485	Room Temperature, 0..+50 °C, programable buttons 12, IP30, Setpoint, LCD	€ 374.71
BACnet		
WRF08 2T MS/TP	Room Temperature, 0..+50 °C, programable buttons 2, IP30, LCD	€ 359.80
WRF08 4T MS/TP	Room Temperature, 0..+50 °C, programable buttons 4, IP30, LCD	€ 367.08
WRF08 8T MS/TP	Room Temperature, 0..+50 °C, programable buttons 8, IP30, LCD	€ 375.55
WRF08 12T MS/TP	Room Temperature, 0..+50 °C, programable buttons 12, IP30, LCD	€ 394.94

WRF06

Room and space temperature measurement with set point adjustment, fan speed, LCD display and manual override. Integrated heating/cooling controller and digital inputs for window contacts, dew point detection and analogue, relay or triac outputs for control valves. Available as a standalone or LON or Modbus communications. Fits into switch frames 55x55 mm.



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Modbus		
WRF06LCD RS485 Modbus AO2V	Room temperature, 0..+50 °C, IP30, setpoint, fan stage, LCD, 2 inputs, 2 outputs 0..10 V	€ 416.36
WRF06LCD RS485 Modbus DI4	Room temperature, 0..+50 °C, IP30, setpoint, fan stage, LCD, 2 inputs, 4 inputs (digital)	€ 416.36
WRF06LCD RS485 Modbus DO2R	Room temperature, 0..+50 °C, IP30, setpoint, fan stage, LCD, 2 inputs, 2 outputs relay	€ 466.81
WRF06LCD RS485 Modbus DO2T	Room temperature, 0..+50 °C, IP30, setpoint, fan stage, LCD, 2 inputs, 2 outputs Triac, Inputs: floating switch contact	€ 466.81
WRF06LCD RS485 Modbus OVR	Room temperature, 0..+50 °C, RS485 Modbus 15..24 V = (±10%) or 24 V ~ (±10%), IP30, setpoint, fan stage, LCD, 2 inputs, 2 outputs (1x 0..10 V, 1 relay)	€ 466.81
WRF06LCD RS485 Modbus OVT	Room temperature, 0..+50 °C, RS485 Modbus 15..24 V = (±10%) or 24 V ~ (±10%), IP30, setpoint, fan stage, LCD, 2 inputs, 2 outputs (1x 0..10 V, 1 Triac)	€ 466.81

JOY

Room thermostat in elegant Thermokon design.
Fancoil and heating/cooling type available. Probably available in III.2015.



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Modbus		
JOY	Room thermostat, -10..+50 °C, RO 5A, Heating: 1x 250 V ~, LCD, Sensor type NTC10k	

LCF

The fan coil room thermostat has been designed for individual control of temperature in commercial, industrial and residential buildings. It is tailored for two-pipe and four-pipe fan coil with two-wire electric valves. With its flush mounted modern design the device combines digital technology with a large LCD display and additional buttons, which enables the single room controller to be used intuitively.



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Modbus		
LCF 2-pipe	Heating/Cooling: 1x 250 V, -10..+50 °C, Fan stage, NTC10k, LCD	
LCF 4-pipe	Heating: 1x 250 V ~ + Cooling: 1x 250 V ~, -10..+50 °C, Fan stage, NTC10k, LCD	

LCF TOUCH

Modern design flush mounting fan coil room thermostat, used for individual control of temperature in commercial, industrial and residential buildings. It is tailored for two-pipe and four-pipe fan coil units with two-wire electric valves. The device combines digital technology with a large LCD touch screen display, which enables the single room controller to be used intuitively. Integrated 7 day time clock with 4 time programs.



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Modbus		
LCF 2-pipe	Heating/Cooling: 1x 250 V, -10..+50 °C, Fan stage, NTC10k, LCD	
LCF 4-pipe	Heating: 1x 250 V ~ + Cooling: 1x 250 V ~, -10..+50 °C, Fan stage, NTC10k, LCD	

WRF07

Room and space temperature measurement with set point



Modbus		
WRF07P DI4 RS	Room temperature, 0..+50 °C, DI4: 4DI, Inputs: floating switch contact, IP20, Setpoint (P),	€ 216.70
WRF07PTD DI4 RS	Room temperature, 0..+50 °C, DI4: 4DI (digital), Inputs: floating switch contact, IP20, Setpoint (P), Button (T), LED (D),	€ 235.11
WRF07P AO2V	Room temperature, 0..+50 °C, AO2V: 2AI, 2AO 0..10 V, IP20, Setpoint (P),	€ 223.63
WRF07PTD AO2V	Room temperature, 0..+50 °C, AO2V: 2AI, 2AO 0..10 V, IP20, Setpoint (P), Button (T), LED (D),	€ 235.11

WRF04 X

Room and space temperature measurement with optional set point adjustment, fan speed and manual override.



Modbus		
WRF04 RS485 Modbus AO2V	Room temperature, -35..+70 °C, AO2V: 2 DI, 2 AO 0..10 V, IP30,	€ 199.89
WRF04P RS485 Modbus AO2V	Room temperature, -35..+70 °C, AO2V: 2 DI, 2 AO 0..10 V, IP30, Setpoint	€ 204.73
WRF04PTD RS485 Modbus AO2V	Room temperature, -35..+70 °C, AO2V: 2 DI, 2 AO 0..10 V, IP30, Setpoint, Detection Button, LED	€ 213.22
WRF04PSD RS485 Modbus AO2V	Room temperature, -35..+70 °C, AO2V: 2 DI, 2 AO 0..10 V, IP30, Setpoint, fanadjustment, LED	€ 232.59
WRF04 RS485 Modbus DO2R	Room temperature, -35..+70 °C, DO2R : 2 DI, 2 RO, IP30,	€ 245.93

WRF04P RS485 Modbus DO2R	Room temperature, -35..+70 °C, DO2R : 2 DI, 2 RO, IP30, Setpoint	€ 250.78
WRF04PTD RS485 Modbus DO2R	Room temperature, -35..+70 °C, DO2R : DI, 2 RO, IP30, Setpoint, Detection button, LED	€ 259.25
WRF04PSD RS485 Modbus DO2R	Room temperature, -35..+70 °C, DO2R : 2 DI, 2 RO, IP30, Setpoint, fan adjustment, LED	€ 278.64
WRF04 RS485 Modbus DO2T	Room temperature, -35..+70 °C, DO2T : 2 DI, 2 TO, Inputs: floating switch contact, IP30	€ 245.93
WRF04P RS485 Modbus DO2T	Room temperature, -35..+70 °C, DO2T : 2 DI, 2 TO, Inputs: floating switch contact, IP30, Setpoint	€ 250.78
WRF04PTD RS485 Modbus DO2T	Room temperature, -35..+70 °C, DO2T : 2 DI, 2 TO, Inputs: floating switch contact, IP30, Setpoint , Detection Button, LED	€ 259.25
WRF04PSD RS485 Modbus DO2T	Room temperature, -35..+70 °C, DO2T : 2DI, 2 TO, Inputs: floating switch contact, IP30, Setpoint, fan adjustment, LED	€ 278.64
WRF04 RS485 Modbus OVR	Room temperature, -35..+70 °C, OVR: 2 DI, 1 AO, 1 RO, IP30,	€ 245.93
WRF04P RS485 Modbus OVR	Room temperature, -35..+70 °C, OVR: 2 DI, 1 AO, 1 RO, IP30, Setpoint	€ 250.78
WRF04PTD RS485 Modbus OVR	Room temperature, -35..+70 °C, OVR: 2 DI, 1 AO, 1 RO, IP30, Setpoint, Detection Button, LED	€ 259.25
WRF04PSD RS485 Modbus OVR	Room temperature, -35..+70 °C, OVR: 2 DI, 1 AO, 1 RO, IP30, Setpoint, fan adjustment, LED	€ 278.64
WRF04 RS485 Modbus OVT	Room temperature, -35..+70 °C, OVT: 2 DI, 1 AO, 1 TO, IP30	€ 245.93
WRF04P RS485 Modbus OVT	Room temperature, -35..+70 °C, OVT: 2 DI, 1 AO, 1 TO, IP30, Setpoint	€ 250.78
WRF04PTD RS485 Modbus OVT	Room temperature, -35..+70 °C, OVT: 2 DI, 1 AO, 1 TO, IP30, Setpoint, Detection Button, LED	€ 259.25
WRF04PSD RS485 Modbus OVT	Room temperature, -35..+70 °C, OVT: 2 DI, 1 AO, 1 TO, IP30, Setpoint, fan adjustment, LED	€ 278.64

Humidity Meters

FTW04

Room humidity and temperature sensor for room and space monitoring and control applications.



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Modbus		
LCN-FTW04 RS485 Modbus	Room humidity sensor, 0..+50 °C, 2x 4..20 mA (AA), 2x 4..20 mA + pass. Sensor (AAS), IP30,	€ 164.01

Mixed Gas & CO2 Meters

LK-S CO2

Duct air quality sensor for combined detection of CO2, relative humidity and temperature. Designed for control and monitoring applications.



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Modbus		
LK-S CO2 Modbus	CO2 + temperature + humidity, 0..+50 °C, 0..100% rH non-condensing, 0..2000 ppm, RS485 Modbus, IP65	€ 331.63

WRF04 CO2

Surface mounted sensor for detection of CO2, temperature and optional relative humidity in room and office spaces. For direct connection to a DDC or a monitoring system, using 0..10 V outputs. Also available



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Modbus		
WRF04 CO2 Modbus	CO2 + temperature, 0..+50 °C, 0..2000 ppm, 2AO, IP20,	€ 325.99
WRF04 CO2 Modbus-Z	CO2 + temperature, 0..+50 °C, 0..2000 ppm, 2AO, IP20, 3 LEDs air quality	€ 332.31
WRF04 CO2 Modbus LCD	CO2 + temperature, 0..+50 °C, 0..2000 ppm, 2AO, IP20, LCD,	€ 338.63
WRF04 CO2 rh Modbus	CO2 + temperature + humidity, 0..+50 °C, 0..100% rH non-condensing, 0..2000 ppm, 2x AO, IP20,	€ 393.72
WRF04 CO2 rh Modbus-Z	CO2 + temperature + humidity, 0..+50 °C, 0..100% rH non-condensing, 0..2000 ppm, 2x AO, IP20, 3 LEDs air quality	€ 400.03
WRF04 CO2 rh Modbus LCD	CO2 + temperature + humidity, 0..+50 °C, 0..100% rH non-condensing, 0..2000 ppm, 2x AO, IP20, LCD,	€ 427.12

Pressure Meters

DPT

Differential pressure transmitter with 8 selectable ranges and adjustable outputs (0..10 V or 4..20 mA) or Modbus. For monitoring differential pressure of air and other non-flammable and non-aggressive gases. Possible applications: Monitoring for air filters, fans, industrial cooling air cycles as well as overheating protection, control of air and fire dampers.



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Modbus		
DPT2000-Modbus	Pressure transmitter, -10..+50°C, -5..+50 °C, DPT2500 Modbus: 0..2000 Pa, 0..10 V or 4..20 mA, IP54, LCD	€ 183.26
DPT5000-Modbus	Pressure transmitter, -10..+50°C, -5..+50 °C, DPT2500 Modbus: 0..5000 Pa, 0..10 V or 4..20 mA, IP54, LCD	€ 183.26

CO2 Sensor

CDD3 Series

The CDD3 Series CO2 Detector w/ BACnet® or Modbus Communication – Environmental, industrial and commercial indoor Carbon Dioxide (CO2) gas detector comes standard in an attractive, low profile wall or duct mount enclosures and with optional add-on outputs for Temperature and/or Relative Humidity sensing all from one enclosure. Optional features also available are LCD, setpoint adjustment, momentary override, and alarm relay outputs. All parameters are communicated by either BACnet® or Modbus communications



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BACnet		
CDD3A100	BACnet, Space, CO2 detector, NDIR	€ 253.75
CDD3A101	BACnet, Space, CO2 detector, NDIR, exposed LCD display	€ 262.50
CDD3A200	BACnet, Duct, CO2 detector, NDIR	€ 271.25
CDD3A201	BACnet, Duct, CO2 detector, NDIR, exposed LCD display	€ 288.75
Modbus		
CDD3B100	Modbus, Space, CO2 detector, NDIR	€ 253.75
CDD3B101	Modbus, Space, CO2 detector, NDIR, exposed LCD display	€ 262.50
CDD3B200	Modbus, Duct, CO2 detector, NDIR	€ 271.25
CDD3B201	Modbus, Duct, CO2 detector, NDIR, exposed LCD display	€ 288.75

Gas Sensor

CMD5B1 Series

The CMD5B1 Series carbon monoxide detector uses a superior electrochemical sensor for reliability and accuracy in even the most critical applications. The standard product features a 2-wire loop-powered output. Optionally, the device may be configured with an alarm relay which operates in 3-wire sourcing mode and/or with Modbus communications.



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GAS DETECTORS		
CMD5B1000-MOD	CO detector, Compact, c/w Modbus communication	€ 191.63
BACnet		
CMD5B4000-BAC	BACnet CO detector, Space/Wall c/w analog outputs, LCD, test switch and status LED	€ 236.95
CMD5B4100-BAC	BACnet CO detector, Space/Wall c/w analog outputs, relay output, LCD, test switch and status LED	€ 248.33
CMD5B4110-BAC	BACnet CO detector, Space/Wall c/w analog outputs, two relay outputs, LCD, test switch and status LED	€ 263.20
CMD5B5000-BAC	BACnet CO detector, Duct c/w analog outputs, LCD, test switch and status LED	€ 254.28
CMD5B5100-BAC	BACnet CO detector, Duct c/w analog outputs, relay output, LCD, test switch and status LED	€ 265.65
CMD5B5110-BAC	BACnet CO detector, Duct c/w analog outputs, two relay outputs, LCD, test switch and status LED	€ 277.03
Modbus		
CMD5B4000-MOD	Modbus CO detector, Space/Wall c/w analog outputs, LCD, test switch and status LED	€ 236.95
CMD5B4100-MOD	Modbus CO detector, Space/Wall c/w analog outputs, relay output, LCD, test switch and status LED	€ 248.33
CMD5B4110-MOD	Modbus CO detector, Space/Wall c/w analog outputs, two relay outputs, LCD, test switch and status LED	€ 263.20
CMD5B5000-MOD	Modbus CO detector, Duct c/w analog outputs, LCD, test switch and status LED	€ 254.28
CMD5B5100-MOD	Modbus CO detector, Duct c/w analog outputs, relay output, LCD, test switch and status LED	€ 265.65
CMD5B5110-MOD	Modbus CO detector, Duct c/w analog outputs, two relay outputs, LCD, switch and status LED	€ 277.03



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