FLEXIBLE ROOM SOLUTIONS

NEWS!

Regio^{Eedo}
230 VAC

Specialized for fan coil
applications

Room units

NEWS!

Regio^{Ardo}
24 AC/DC

Efficient solution for
two zones

Room controllers

NEWS!

NEWS!

RCC	RCFD	RCF	AL...	RC
💧 🌡 CO₂	🌡	🌡	💧 🌡 CO₂	💧 🌡 CO₂

MULTIPLE COLOR CHOICES

ASHRAE BACnet   Modbus   EXOline

READY STEADY GO

| Presence | Temperature | Fan speed | Comfort | Economy | CO₂ | Lighting |

REGIO^{Ardo} AND REGIO^{Eedo} – THE ULTIMATE ROOM CONTROL SYSTEM

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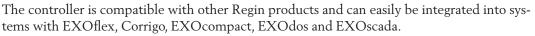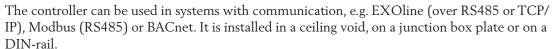## Regio^{Ardo}

Regio^{Ardo} is a pre-programmed 24 V zone controller. One controller is able to control two different zones.

It is quick and easy to commission. The I/O configuration and application setup for a VAV controlled room are predefined and the room units ED-RU are easily connected.

The controller is compatible with other Regin products and can easily be integrated into systems with EXOflex, Corrigo, EXOcompact, EXOdos and EXOscada.

The controller can be used in systems with communication, e.g. EXOline (over RS485 or TCP/IP), Modbus (RS485) or BACnet. It is installed in a ceiling void, on a junction box plate or on a DIN-rail.

Application tool©

The room controllers are pre-programmed and can be configured to suit specific needs with the software Application tool©, downloadable free of charge from www.regincontrols.com.

Technical data	
Supply voltage	24 V AC ±15%, 50…60 Hz
Power consumption	4 VA without load, no display
Battery backup	Memory and real-time clock, at least 5 years
Ambient temperature	0…50 °C
Storage temperature	-20…+70 °C
Ambient humidity	Max. 95 % RH (non-condensing)
Protection class	IP20
Mounting	Wall, on a junction box plate or DIN-rail in cabinet
Number of modules	8.5
Communication	RS485 (EXOline or Modbus with automatic detection/changeover) and TCP (EXOline-TCP, BACnet/IP)
Inputs	
Analogue inputs (AI)	PT1000, 0…10 V DC, 12-bit A/D
Digital inputs (DI)	Sourcing input type, GND is reference
Condensation input (CI)	To be used with Regin's TG-A/1
Outputs	
Analogue outputs (AO)	0...10 V DC, 5 mA, 12-bit D/A, short-circuit proof
Digital outputs (DO)	Mosfet 24 V AC/DC, 2 A. Totally max. 8 A.
Communication ports	
RS485	EXOline, Modbus, BACnet
TCP/IP	EXOline, Modbus, BACnet/IP

Article	AI	DI	AO	DO	CI	RS485 ports	Ethernet	Note
RC-A203W-4-TP	4	4	4	6	2	2	1	

Regio^{Eedo}

Regio^{Eedo} is a pre-programmed 230 V zone controller for e.g. fan coils.

It is prepared for quick connection of the ED-RU room units. The controller is compatible with other Regin products and can easily be integrated into systems with EXOflex, Corrigo, EXO-compact, EXOdos and EXOscada.

The controller can be used in systems with communication, e.g. EXOline (over RS485 or TCP/IP), Modbus (RS485) or BACnet. It is installed in a ceiling void, on a junction box plate or on a DIN-rail.

Application tool©

The room controllers are pre-programmed and can be configured to suit specific needs with the software Application tool©, downloadable free of charge from www.regincontrols.com.

Technical data	
Supply voltage	230 V AC ±10 %, 50...60 Hz
Power consumption	11 V A
Ambient humidity	Max. 95 % RH (non-condensing)
Storage temperature	-20...+70 °C
Mounting	Wall, on a junction box plate or DIN-rail in cabinet
Protection class	IP20
Inputs	
Analogue inputs (AI)	PT1000 or 0...10 V DC
Condensation input (CI)	Input for Regin's condensation detector KG-A/1
Digital inputs (DI)	Potential-free contact
Outputs	
Analogue outputs (AO)	0...10 V DC
Digital outputs (DO)	Triac outputs: 230 V AC, 300 mA / Relay outputs: 230 V AC, 3 A

Article	AI	DI	DO, 230 V AC triac	DO, 230 V AC relay	AO	CI	RS485 ports	Ethernet	Note
RC-E163W-1-TP	3	3	2	3	4	1	2	1	

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ED-RU

ED-RU-O

ED-RU-F

ED-RU-FO

ED-RU-DO,
ED-RU-DOCS

ED-RU-DFO

ED-RU-DOS

ED-RU-H

ED-RUD

External room units

The ED-RU units can be connected to several different products and could, for example, be used to control an air handling unit running a ventilation application.

They can be used to change fan speed, set temperature, extended running, etc. at a distance of up to 300 m. Their stylish design is suitable for all environments.

Technical data	
Supply voltage	18...30 V AC, 50/60 Hz
Power consumption	25 mA
Protection class	IP20
Ambient humidity	Max. 90 % RH
Storage temperature	-20…+70 °C
Mounting	Wall mounting
Dimensions (WxHxD)	95 x 95 x 28 mm
Communication	EXOline

Article	Occupancy button	3-step fan control	Setpoint knob	Multi-function button	Hidden setpoint	Built-in CO_2 sensor	Display	Note
ED-RU	-	-	X	-	-	-	-	
ED-RU-O	X	-	X	-	-	-	-	
ED-RU-F	-	X	X	-	-	-	-	
ED-RU-FO	X	X	X	-	-	-	-	
ED-RU-DO	X	-	-	-	-	-	X	
ED-RU-DFO	X	X	-	-	-	-	X	
ED-RU-DOS	X	-	-	X	-	-	X	
ED-RU-DOCS	X	-	-	-	-	X	X	
ED-RU-H	-	-	-	-	X	-	-	
ED-RUD	-	-	-	-	-	-	X	

! The ED-RU range can also be used together with EXOcompact, EXOdos, EXOflex and Corrigo.

Cable splitter

Cable splitter for connection of two ED-RU units to one Regio Ardo.

EDSP-SPLIT

Article	Note
EDSP-SPLIT	