

CORRIGO – CONTROLLERS FOR VENTILATION AND HEATING



Corrigo^{Ardo} - controllers for ventilation and heating

Corrigo comes preloaded with an application for control of ventilation. The ventilation application is intended for control of air handling units with temperature control, 1- or 2-speed operation or, alternatively, pressure or air flow control of supply air fan and extract air fan, humidity control as well as other common functions in ventilation.



Technical data	
Supply voltage	24 V AC ± 15 %, 50...60 Hz or 21...36 V DC
Power consumption	8 VA, 4 W (DC), model E...W-3: 12 VA, 6 W (DC)
Ambient temperature	0...50 °C
Storage temperature	-20...+70 °C
Ambient humidity	Max. 90 % RH
Protection class	IP20
Connection	Disconnectable terminal strips, 4 mm ²
Memory backup	Built-in long life battery gives long backup time of all settings incl. real time
Display	Backlit LCD (blue), 4 rows of 20 characters
Mounting	DIN-rail or cabinet
Number of modules	8.5
Dimensions (WxHxD)	149 x 121 x 60 mm
Communication ports	
TCP/IP	Webserver, EXOline, Modbus, BACnet/IP, CLOUDigo
RS485	EXOline, Modbus, BACnet MS/TP
M-Bus ports	M-Bus communication
Inputs	
Analogue inputs (AI)	For PT1000 sensors (accuracy ± 0.4°C) or 0...10 V DC (accuracy ± 0.15 % of full output signal). 12 bit resolution in the A/D conversion.
Digital inputs (DI)	For potential-free contacts
Outputs	
Analogue outputs (AO)	0...10 V DC, 1 mA, short-circuit proof
Digital outputs (DO)	Mosfet outputs, 24 V AC or DC, 2 A continuous. Max. 8 A in total.



Controller with built-in web server and TCP/IP communication, with display

MODELS WITH DISPLAY

Article	AI	DI	UI	AO	DO	RS485 ports	TCP/IP ports	Note
E151DW-3	4	4	-	3	4	-	1	
E152DW-3	4	4	-	3	4	1	1	
E281DW-3	4	8	4	5	7	-	1	
E282DW-3	4	8	4	5	7	1	1	
E283DW-3	4	8	4	5	7	2	1	



Controller with built-in web server and TCP/IP communication, without display

MODELS WITHOUT DISPLAY

Article	AI	DI	UI	AO	DO	RS485 ports	TCP/IP ports	Note
E151W-3	4	4	-	3	4	-	1	
E152W-3	4	4	-	3	4	1	1	
E281W-3	4	8	4	5	7	-	1	
E282W-3	4	8	4	5	7	1	1	
E283W-3	4	8	4	5	7	2	1	

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ACCESSORIES

Article	Description	Note
E3-DSP	External display	
E0R-3	Repeater	
E0R230K-3	Repeater	
IO-A15MIXW-3-BEM	Ardo expansion unit with 15 I/O:s	
IO-A28MIXW-3-BEM	Ardo expansion unit with 28 I/O:s	
IO-V19MIXW-1-BEM	Vido expansion unit with 19 I/O:s	

EXIGO – CONTROLLERS FOR HEATING AND BOILER CONTROL



Exigo^{Ardo} – Controllers for heating, 24 V

Exigo^{Ardo} are controllers for heating and boiler control that make every step from installation to operation and maintenance easier than ever. Simply connect the controller, enter any settings as desired and start up. It can be used either stand-alone or integrated into a network. It has built-in support for many different languages and is designed for mounting on a DIN-rail or in a cabinet door.

EXOline



Technical data	
Supply voltage	24 V AC \pm 15 %, 50...60 Hz or 21...36 V DC
Ambient temperature	0...50 °C
Storage temperature	-20...+70 °C
Ambient humidity	Max. 95 % RH
Protection class	IP20
Connection	Disconnectable terminal strips, 4 mm ²
Memory backup	Built-in long life battery gives long backup time of all settings incl. real time
Display	Backlit LCD, 4 rows of 20 characters
Mounting	DIN-rail or cabinet
Casing	Standard Euronorm (8.5 modules wide)
Dimensions (WxHxD)	149 x 121 x 60 mm
Inputs	
Analogue inputs (AI)	For PT1000 sensors (accuracy \pm 0.4°C), Ni1000 sensors or 0...10 V DC (accuracy \pm 0.15 % of full output signal). 12 bit resolution in the A/D conversion.
Digital inputs (DI)	For potential-free contacts
Universal inputs (UI)	AI or DI
Outputs	
Analogue outputs (AO)	0...10 V DC, 1 mA, short-circuit protected
Digital outputs (DO)	Mosfet outputs, 24 V AC or DC, 2 A continuous. Max. 8 A in total.
Communication ports	
TCP/IP	EXOline, Modbus, BACnet/IP, CLOUDigo
RS485	EXOline, Modbus, BACnet MS/TP
M-Bus	M-Bus communication

MODELS

Article	Display	AI	DI	UI	AO	DO	RS485 ports	TCP/IP ports	M-Bus ports	Power consumption	Note
HCA151DW-3	X	4	4	-	3	4	-	1	-	9 VA	
HCA152DW-3	X	4	4	-	3	4	1	1	-	9 VA	
HCA281DW-3	X	4	8	4	5	7	-	1	-	9 VA	
HCA282DW-3	X	4	8	4	5	7	1	1	-	9 VA	
HCA283DW-3	X	4	8	4	5	7	2	1	-	9 VA	
HCA283DWM-3	X	4	8	4	5	7	1	1	1	9 VA	

ACCESSORIES

Article	Description	Note
E3-DSP	External display	
ED-T7	External touch screen display	
E0R-3	Repeater	
E0R230K-3	Repeater	
IO-A15MIXW-3-BEM	Ardo expansion unit with 15 I/O:s	
IO-A28MIXW-3-BEM	Ardo expansion unit with 28 I/O:s	
IO-V19MIXW-1-BEM	Vido expansion unit with 19 I/O:s	

WE HELP YOU TO FIND YOUR CONFIGURATION FILE FOR EXIGO TOOL

On the Regin homepage you can visit our application selector site where you can find pre-programmed application examples. If you like, you can use them as they are or modify them for your needs using Exigo tool. There are pictures showing each example to help you find the right one.



www.regincontrols.com/exigo-config

Simply choose your application there and download the right configuration file for your Exigo. Simply – Ready-Steady-Go.



Exigo^{Vido} - Compact controllers for heating, 230 V

Exigo^{Vido} are controllers for heating and boiler control that make every step from installation to operation and maintenance easier than ever. Simply connect the controller, enter any settings as desired and start up. It can be used either stand-alone or integrated into a network. It has built-in support for many different languages and is designed for mounting on a DIN-rail, in a cabinet door or directly on a wall.



Technical Data	
Supply voltage	230 V AC
Ambient temperature	0...50 °C
Storage temperature	-20...+70 °C
Ambient humidity	Max. 95 % RH, non-condensing
Protection class	IP20 (IP40 when mounted in cabinet door)
Memory backup	Built-in long life battery gives long backup time of all settings incl. real time
Display	Backlit LCD, 4 rows of 20 characters
Mounting	DIN-rail, cabinet or on wall
Inputs	
Analogue inputs (AI)	PT1000 (-50...+150°C), Ni1000, 0...10 V
Digital inputs (DI)	Potential-free closure
Universal inputs (UI)	AI or DI
Outputs	
Universal analogue I/O (UA)	Configurable 0...10 V DC; 2...10 V DC; 10...0 V DC or 10...2 V DC output (12 bit short-circuit protected) or 0...10 V DC input
Digital outputs (DO)	7x relay, 230 V AC, 1 A inductive load per relay
Communication ports	
TCP/IP	EXOline TCP, Modbus TCP, BACnet/IP, CLOUDigo
RS485	EXOline, Modbus, BACnet MS/TP
M-Bus ports	M-Bus communication

MODELS

Article	Display	AI	DI	UI	UA	DO	PWM	RS485 ports	TCP/IP ports	M-Bus ports	Power consumption	Note
HCV190D-1	X	4	2	4	2	7	-	-	-	-	7.5 VA	
HCV191DW-1	X	4	2	4	2	7	-	-	1	-	9.5 VA	
HCV192DW-1	X	4	2	4	2	7	-	1	1	-	10 VA	
HCV193DWM-1	X	4	2	4	2	7	-	1	1	1	10.5 VA	
HCV203DWM-1	X	4	2	4	2	7	X	1	1	1	11 VA	

ACCESSORIES

Article	Description	Note
E3-DSP	External display	
ED-T7	External touch screen display	
E0R-3	Repeater	
E0R230K-3	Repeater	
IO-A15MIXW-3-BEM	Ardo expansion unit with 15 I/O:s	
IO-A28MIXW-3-BEM	Ardo expansion unit with 28 I/O:s	
IO-V19MIXW-1-BEM	Vido expansion unit with 19 I/O:s	



E3-DSP

External display units for Corrigo and Exigo

Article	Cable length	Protection class	Compatible with	Note
E3-DSP	Max. 100 m	IP30	Corrigo E...-3, EXOcompact C...-3, Exigo, EXOdos, EXOclever	
ED9200IP65	Max. 10 m (EXOcompact C...-S), max. 100 m (Corrigo E...-3, EXOcompact C...-3, Exigo, EXOdos, EXOclever)	IP65	Corrigo, EXOcompact, Exigo, EXOdos, EXOclever	



ED9200

ACCESSORIES

Article	Description	Note
EDSP-K3	3 m cable for connecting E3-DSP, ED9200 or ED-T7	
EDSP-K10	10 m cable for connecting E3-DSP, ED9200 or ED-T7	



Graphic touch display for Corrigo

For operation of a Corrigo with two ports. Intended for supervision and control of an air handling system.

Technical data	
Protection class	IP30
Power supply	24 V DC via terminal 4 (+C) and G0 on the Corrigo
Power consumption	50 mA
Connection cable	Twisted pair, 0.25 mm ²
Display	TFT-LCD (resistive), backlit LED
Language	Swedish or English, set automatically depending on the language used in the Corrigo
Aspect ratio	4:3
Resolution	320 x 240
Dimensions (WxHxD)	120 x 90 x 27 mm
Mounting	Room or device box
Communication	EXOline

Article	Description	Note
ED-TCV	External graphic touch display	



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

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	-	-	



The ED-RU range can also be used together with EXOcompact, EXOdos, EXOflex, and Regio^{Ardo} and Regio^{Fedo}.