



EC 13xx Pro  
MMI 200



heatcon! Heating controller system comprising:

- Control: *heatcon! EC 13xx Pro*
- Operation: *heatcon! MMI 200*

Weather-compensated electronic boiler water temperature controller for all heat and cold producing energy sources

- Control of DHW heating
- Solar and solid fuel
- Buffer storage management
- Multi-valence and cascade management
- Up to 2 energy generator with one heatcon! EC
- Up to 3 control units in the system
- Up to 3 heating circuits with every heatcon! EC
- Up to 2 expansions (EM) for each heatcon! EC
- 1 Roomcontrol RC130 unit for each available heating circuit on the 2-wire bus
- Optionally with single room control *heatapp!*
  - Bonus in the ErP calculation
  - Up to 24 rooms
- Set-up, operation and service via app, PC or MMI 200
- Menu controlled set-up in just a few steps
- Free inputs and outputs can be used for other functions
- Sensors can be assigned to several functions
- App-based mMobile remote control and maintenance
- MMI with clear display
- Adjustable MMI display
- User-friendly operation using speed buttons

	Artikel-Nr.
<b>heatcon EC 1351 Pro RS485 EbV GEN-Bus</b>	9600310000
<b>heatcon EC 1321 Pro Open Therm Bus</b>	9600311000
<b>MMI 200 white</b>	9601400000
<b>MMI 200 black</b>	9600400000

**Technical data**

**heatcon! EC**

Installation	EC 1351 Pro top hat rail installation in the energy generator
Operating system	Enbeedet, Linux
Network connections, USB	<ul style="list-style-type: none"> <li>• RJ45 Ethernet</li> <li>• USB 2.0</li> </ul>
Power supply	230 V ±10 %, 50 Hz
Power consumption	max. 9VA
Protection class	I with functional earth (*)
IP rating	IP00
Fusing	User-supplied
Energy generator bus	heatcon! EC 1351Pro RS485 EbV GEN-Bus heatcon! EC 1321Pro Open Therm Bus
Ambient conditions <ul style="list-style-type: none"> <li>• Storage temperature</li> <li>• Operating temperature</li> </ul>	-25 ... +60 °C -10 ... +50 °C
Connections screw terminals	<ul style="list-style-type: none"> <li>• Mains voltage L, N, </li> <li>• 1 x potential-free relay ARSP, max. 230V / 6A (Pin A1)</li> <li>• 2 x potential-free relay ARSP, max. 230V / 2A (Pin A2/A3)</li> <li>• 10 x relay 230V ONOR, max. 2A, sum current: max. 10A</li> <li>• 2 x opto-coupler input IOC 230V</li> <li>• 9 x sensor pulse input EFI</li> <li>• 3 x sensor pulse 0...10V input EFI 10V</li> <li>• 3 x pulse input PI</li> <li>• 2 x output 0...10V PWM O10VP</li> <li>• Energy generator bus RS485 EbV GEN bus</li> <li>• Connection room device bus RC (2-wire bus)</li> <li>• Connection control unit MMI 200</li> <li>• EbV device bus</li> </ul>
Standards	DIN EN 60730
Dimensions	210 x 90 x 61 mm (length x width x height) with top-hat rail
Weight	335 g
Colour heatcon! EC 1351 Pro	Grey

**(\*) Note**

The *heatcon! EC 13xx Pro* is supplied with a top hat rail housing. Protection class I, earth conductor connection for functional purposes. Protection against contact and the IP 20 degree of protection must be ensured by installation.

<b>heatcon! MMI 200</b>	
Installation	MMI 200 in standard cut-out 144 x 96 mm
Ambient conditions <ul style="list-style-type: none"> <li>• Storage temperature</li> <li>• Operating temperature</li> </ul>	-25 ... +60 °C -10 ... +50 °C
Dimensions	144 x 96 x 29 mm (length x width x height)
Weight	125 g
MMI display dimensions	Graphic display 70 x 35 mm
MMI colour	Black or White