SIEMENS

3111

Synco™ 700

Operator Unit RMZ790

Plug-in type operator unit for use with Synco™ 700 controllers, Central Control Unit and Switching and Monitoring Device

Use

The RMZ790 operator unit has been designed for use with the following controllers, Central Control Unit and Switching and Monitoring Device:

- Heating controllers RMH7…, RMK7…
- Universal controllers RMU7…
- Central Control Unit RMB795…
- Switching and Monitoring Device RMS705…

These types do not have an operating facility of their own.

Functions

The operator unit is used to make all controller settings and to display all data required in connection with the controller. All entries made on the operator unit are transmitted to the controller where they are handled and stored; the operator unit itself does not store any data.
The information required by the user is generated by the controller and delivered to the operator unit for display.

Ordering and delivery

When ordering, please give quantity, name and type reference.

Product documentation

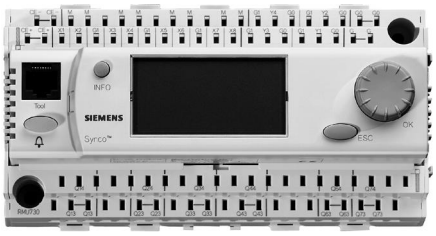
Type of document	*Ordering number*
Operating Instructions: Heating Controller RMH760… , Boiler Sequence Controller RMK770…	74 319 0346 0*
Operating Instructions: Universal Controllers RMU7…	74 319 0350 0*
Operating Instructions: Central Control Unit RMB795…	74 319 0462 0*
Operating Instructions: Switching and Monitoring Device RMS705…	74 319 0503 0*
Product range description: Synco™ 700	CE1S3110en
Environmental Product Declaration	CE1E3110en03

* In German, English, French and Dutch

Mechanical design

Basic design

The operator unit plugs into the controller.
It consists of housing with the LCD, the operating elements on the front, the 10-polar connector and the mechanical snap-on facility at the rear. To mechanically secure the operator unit, there is a catch on the left hand side.
The electrical connection to the controller is made via the connector. The operator unit also receives its power via the connector.
It can be removed from the controller or replaced during operation.



Controller with operator unit plugged in

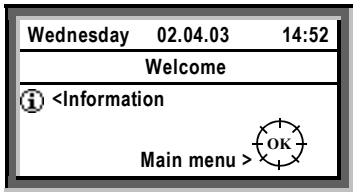
Operating elements

On the software side, all settings and readout values are arranged as data points of a menu tree. Using the operating elements, every data point can be selected, displayed or set. All menus appear on the LCD as plain text.
The controller has several languages preprogrammed; when commissioning the controller, the required language is to be activated. The controller is supplied complete with Operating Instructions; they contain all languages stored in the controller.

1 Display
2 INFO button
3 Select-and-press knob OK
4 ESC button

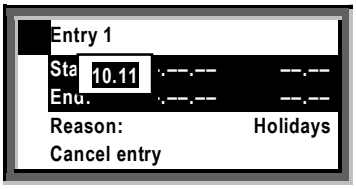
When an operating element is activated, the backlit display will automatically be switched on. If not operated for 30 minutes, the backlight will switch itself off and the start display appears.

Display examples

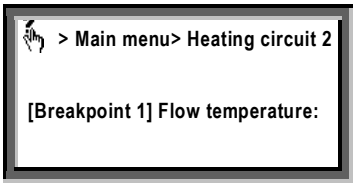


Start display

Main menu, selection of a setting parameter



Pop-up window, setting a numerical value



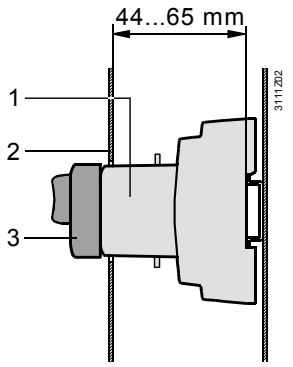
Help picture with explanations on the selected data point

Mounting notes

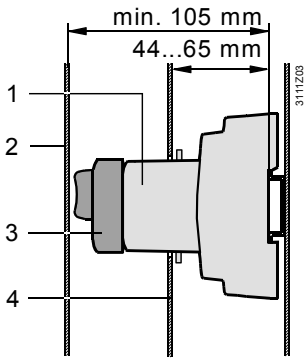
Plugging in

The operator unit plugs into the controller. There are no tools required.

Control panel mounting



Controller complete with attached operator unit is mounted inside the control panel; the operating elements are accessed through a cutout in the control panel door (external operation).



Controller complete with attached operator unit is mounted inside the control panel; the operating elements can be accessed only when the control panel door is opened (internal operation).

1 Controller
2 Control panel door
3 Operator unit
4 Terminal cover

Commissioning notes

The operator unit requires no commissioning. It is ready to operate as soon as the controller receives power.

Disposal

The device is considered electrical and electronic equipment for disposal in terms of the applicable European Directive and may not be disposed of as domestic garbage.

- Dispose of the device via the channels provided for this purpose.
- Comply with all local and currently applicable laws and regulations.

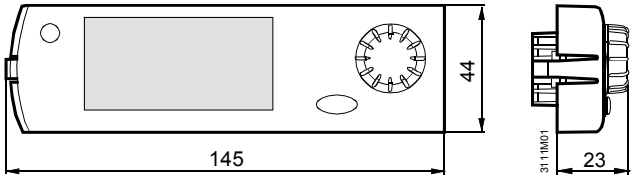
Technical data

Housing	
When control panel is open	IP20 to EN 60 529
When control panel is closed	IP40 to EN 60 529
Product standard	EN 60730-1 Automatic electrical controls for household and similar use
Product family standard	EN 50491-3 General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS)
Electromagnetic compatibility	For residential, commercial and industrial environment
EU Conformity (CE)	CE1T3110xx *)
RCM Conformity	CE1T3110en_C1 *)
EAC conformity	Eurasia conformity
Environmental compatibility	
The product environmental declaration CE1E3110en03*) contains data on environmentally compatible product design and assessments (RoHS compliance, materials composition, packaging, environmental benefit, disposal).	
Display	
Active field	56×28 mm
Resolution	128×64 pixels
Housing	
Color	RAL 7035 (light-gray)
Material	Polycarbonate
Weight incl. packaging	0.089 kg

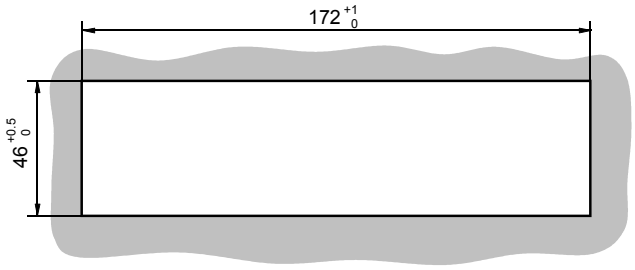
*) The documents can be downloaded from http://siemens.com/bt/download.

Dimensions

Operator unit



Control panel cutout for external operation



Dimensions in mm

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