



Synco™700



## Operator Unit

## RMZ790

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Plug-in type operator unit for use with Synco™700 controllers.

### Use

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The RMZ790 operator unit has been designed for exclusive use with the following families of controllers:

- Heating controllers RMH7...
- Universal controllers RMU7...

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

### Functions

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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

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

Type of document	Ordering number
Operating Instructions for heating controllers RMH7...	74 319 0345 0*
Operating Instructions for universal controllers RMU7...	74 319 0349 0*
Data Sheet "Product Range Overview"	CE1N3110en
Environmental Declaration	CE1E3110en03

\* In German, French, Italian and Spanish

## Mechanical design

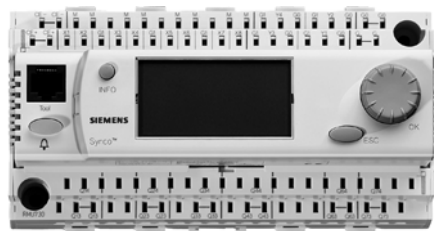
### Basic design

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.

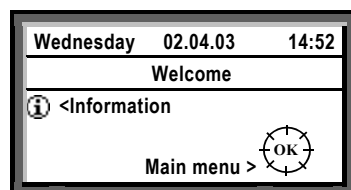
The controller has several languages preprogrammed; when commissioning the controller, the required language is to be activated. The controller is supplied complete with Operating Instructions; they contain all languages stored in the controller.



- 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.

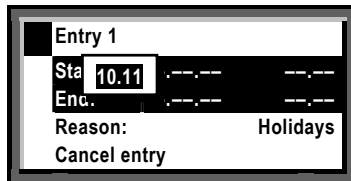
### Display examples



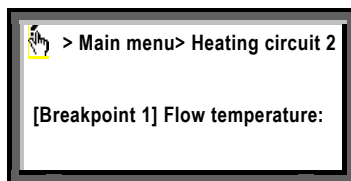
Start display



Main menu, selection of a setting parameter



Pop-up window, setting a numerical value



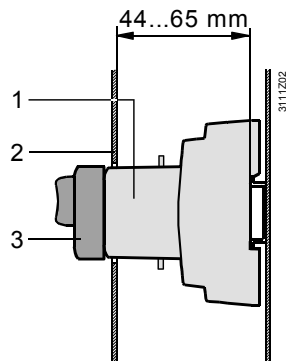
Help picture with explanations on the selected data point

## Mounting notes

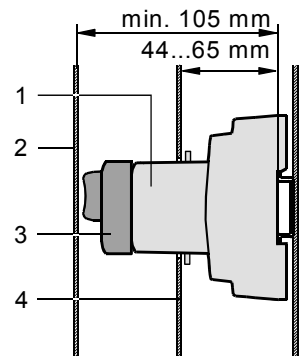
### Plugging in

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.

## Technical data

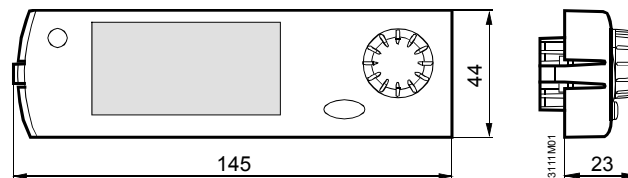
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Housing	
When control panel is open	IP20 to EN 60 529
When control panel is closed	IP40 to EN 60 529
EMC directive	
Immunity	EN 61 000-6-2
Emissions	EN 50 081-2
Display	
Active field	56×28 mm
Resolution	128×64 pixels
Housing	
Color	RAL 7035 (light-gray)
Material	Polycarbonate
Weight incl. packaging	0.089 kg

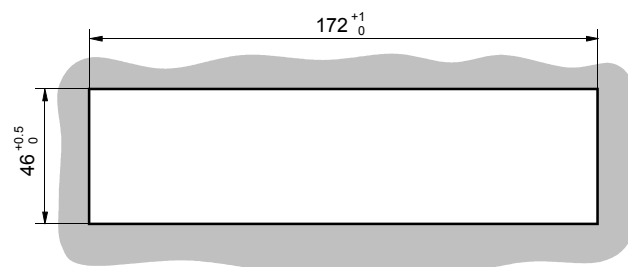
## Dimensions

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Operator unit



Control panel cutout for external operation



Dimensions in mm