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

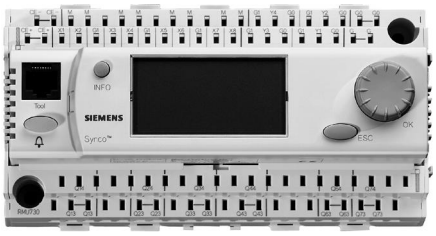
| *Type of document* | *Ordering number* |
|---|---|
| Operating Instructions: Heating Controller RMH760… , Boiler Sequence Controller RMK770… | 74 319 0346 0* |
| Operating Instructions: Universal Controllers RMU7… | 74 319 0350 0* |
| Operating Instructions: Central Control Unit RMB795… | 74 319 0462 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

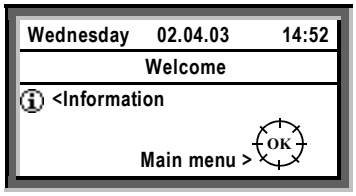
## Operating elements

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

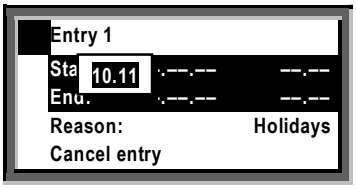
When an operating element is activated, the backlit display will automatically be switched on. If not operated for 30 minutes, the backlight will switch itself off and the start display appears.

## Display examples

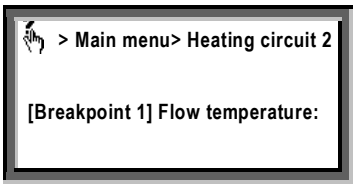



Start display


Main menu, selection of a setting parameter




Pop-up window, setting a numerical value



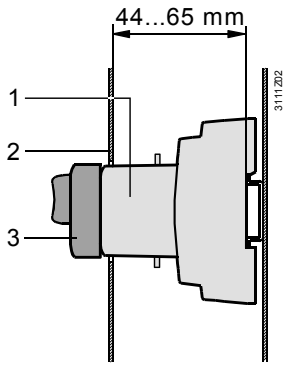

Help picture with explanations on the selected data point

## Mounting notes

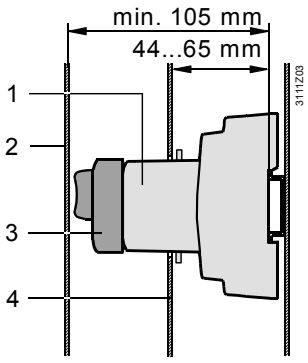
**Plugging in**

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.

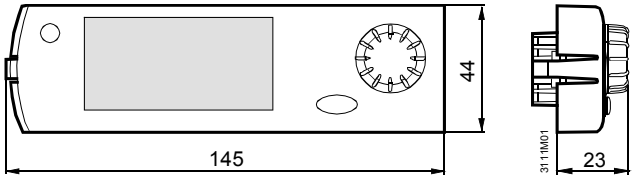
## Technical data

| | |
|---|---|
| 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<br>Automatic electrical controls for household and similar use |
| Product family standard | EN 50491-3<br>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 |

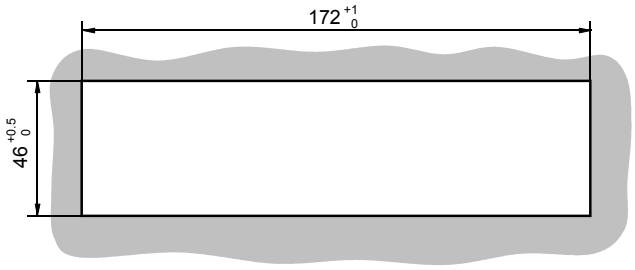
*) The documents can be downloaded from http://siemens.com/bt/download.

## Dimensions

Operator unit




Control panel cutout for external operation




Dimensions in mm

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