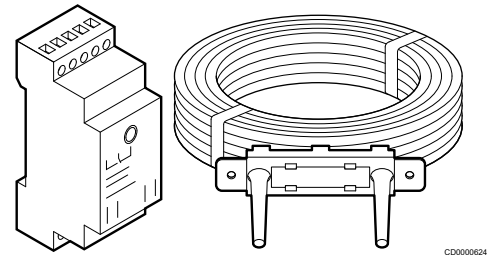


## Uponor Base condensation set S-80 230V



IC0000041



CD0000024

### Description

Uponor Base condensation set S-80 230V (condensation set) is an electronic dew point meter designed for use in radiant heating and cooling systems. It detects and prevents that condensation from cooled parts in the system drips when the zone is in cooling mode.

When condensation is detected, a potential-free switching relay in the converter is activated.

The switching relay can operate in two ways:

1. Stop the cooling process directly.
2. Send a demand signal to the controller to close all actuators which stops the cooling operation.

A red light on the condensation converter shows that the function "cooling stopped due to condensation" is in operation.

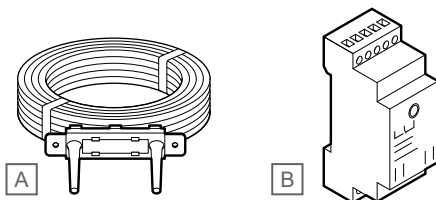
### Features

Main characteristics of the condensation set

- The converter converts the signal from the sensor when condensation is detected. Yes/no

### Components of the condensation set

The condensation set consists of two components: a dew point sensor and a condensation converter.



CD00000750

Item	Description
A	Dew point sensor
B	Condensation converter

### System compatibility

!	<b>Note</b> The condensation set must be connected to the controller, if the condensation management feature should be used. The condensation input is a dry contact.
!	<b>Note</b> For more detailed information, product range and documentation please visit the Uponor website: <a href="http://www.uponor.com">www.uponor.com</a> .

The condensation set is compatible with the Uponor Base controller H/C pump X-80 10x 230V.

### Installation

STOP	<b>Warning!</b> Risk of electrical shock! Electrical installation and service behind secured 230 V AC covers must be carried out under the supervision of a qualified electrician.
!	<b>Note</b> Always consider current local standards and regulations.
!	<b>Note</b> Always read and obey the installation manual and recommendations from Uponor when performing the installation!

Install the **condensation converter** on a standard support rail (35 mm) in accordance with EN 60715.

Install the **dew point sensor** near the part of the cooling circuit where the risk of condensation is highest. Preferably install it on the supply pipe to the related room or on the pipe close to the window.

**Up to 5 dew point sensors** can be connected to the converter.

# Technical data

## Condensation converter

Description	Value
Product name	Uponor Base condensation set S-80 230V
Dimension	86 x 36 x 59 mm
IP	IP20, class II (IP: degree of inaccessibility to active parts of the product and degree of water)
Marking	CE, UKCA
EMC (electromagnetic compatibility requirements) tests	EN 60730-1 *
Operating voltage	230 V AC, 50 Hz
Maximum switching voltage	230 V AC, 50 Hz
Maximum switching current	10 (3) A, 230 V AC
Output signal	Potential-free changeover contact
Power consumption	Approximately 1 VA
Ambient temperature	-20 °C ... +55 °C
Storage temperature	-20 °C ... +70 °C
Medium	Air, not aggressive
Max. ambient RH (relative humidity)	95 %, non-condensing
Switching contact	Two-way contact
Electrical connection	Screw terminal up to 2,5 mm <sup>2</sup>
Installation	On standard DIN rail
Material	PC plastic
Colour	Light grey RAL 7035 or similar

\*) EN 60730-1 Automatic electrical controls for household and similar use -- Part 1: General requirements

## Dew point sensor

Description	Value
Dimension	70 x 21,5 x 36 / 7 mm
Cable	Factory equipped with 10 m, 2 x 0,14 mm <sup>2</sup>
Max cable length	Sensor wire up to 50 m with 2 x 0,5 mm <sup>2</sup>
IP	IP30 (IP: degree of inaccessibility to active parts of the product and degree of water)
Marking	CE, UKCA
Operating voltage	12 V DC, galvanically isolated from the supply voltage fed to the converter
Ambient temperature	-20 °C ... +55 °C
Storage temperature	-20 °C ... +70 °C

## Regulatory conformance

The Uponor Base condensation set S-80 230V complies with the following directives.

- CE
- UKCA

### EU/UK Declaration of conformity

Hereby, Uponor declares that the Uponor Base condensation set S-80 230V is in compliance with the relevant Community harmonisation legislation. <sup>1)</sup>



The full text of the EU/UK declaration of conformity is available at the following internet address:

<https://www.uponor.com/doc/1140221>

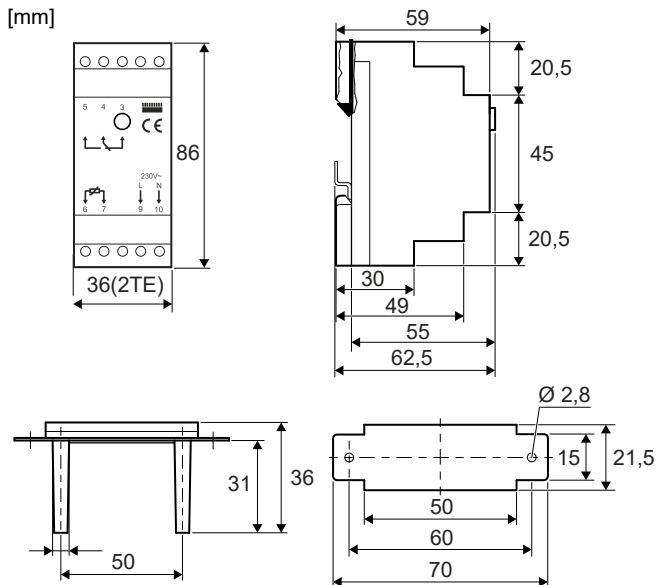
1) Refer to the related Uponor product for the specified certification and compliance marks.

Additional product information and instructions are delivered with the Uponor product. They are available at the website [www.uponor.com/services/download-centre](http://www.uponor.com/services/download-centre) and at the national Uponor websites in local language.



## Dimensions

[mm]



ZD0000080

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1140523 v1\_11\_2023\_EN  
Production: Uponor/ELO

Uponor reserves the right to change the product portfolio and the related documentation without prior notification, in line with its policy of continuous improvement and development.



[www.uponor.com](http://www.uponor.com)