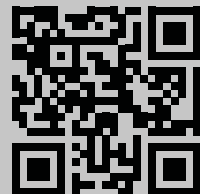# Product sheet

Room unit
STG-02-1
Siemens POL824.40/STD

Documentation for your unit

1. Scan QR code or enter docs.ivprodukt.com in your web browser.
2. Enter your order number.
3. Press ENTER or click search.
4. Select your order.

Product sheet
Room unit

Safety

For instructions and safety procedures during use, refer to the relevant assembly instructions, operation and maintenance for the unit and the manufacturer's product documentation.

We reserve the right to make any changes to the product that may not be updated in this product sheet. In the case of doubt, the manufacturer's information will apply.

Spare parts

Spare parts list can be downloaded from IV Produkt's order portal. Order spare parts and accessories from IV Produkt. See contact information on the last page. Please state the order number and AHU designation from the type plate, located on the unit.

GENERAL INFORMATION

The room unit is installed in rooms and used to read the temperature and air humidity of the room, as well as to set the operation mode of the ventilation in the room.

Technical data

Room unit	IV Product code: STG-02-1 Siemens product code: POL824.40/STD
Accessories for	Siemens Climatix POL648.10
Integrated in room unit	160 x 128 pixel touchscreen Room temperature sensor Relative air humidity sensor
Communication	Communication between the room unit and Climatix takes place via internal Modbus communication (RS485)
Supply	24V AC/DC
Assembly instructions	Siemens A6V13495270 is enclosed with the room unit
Cable for communication between Climatix and room unit	Shielded Twisted Pair cable: - cable area not less than 0.75 mm² (2x2x0,75 mm²) - maximum length 300 m
Other	Shielded communication cable is only earthed in the connection to the unit control cabinet

Symbols on display

Default factory setting symbols

Symbol	Name	Description
	Room temperature	Displays the current room temperature (°C) with built-in sensor.
	Air humidity	Displays the current (relative) air humidity (%) with built-in sensor.
	Air quality	Shows air quality (ppm). Requires air quality sensors to be configured in the unit.
	Preferences	Used to set preferences in the setpoint/timer function.
	Left/right arrow	Used to switch the operation mode and for value changes.
AUTO	AUTO	The unit is controlled according to the preset time scheduler/BMS.
	Timer	Timer function. The fan stage for timer function is preselected in Climatix.
	Operation mode	Operation indication. Illuminated symbol = the unit is in operation. Unilluminated symbol = the unit is stopped.
	Heating mode	Appears when units are running in heat sequence (heating operation).
	Cooling mode	Appears when the unit is running in cooling sequence (cooling mode).
	Active alarm	Appears when Climatix has an active alarm. After fixing faults, reset alarm from the unit's hand-held terminal.
	Received alarm	Displays for a received, but not reset alarm.
	Confirm selection	Confirm changes or new selection.
	Back arrow	Go back without changes.

Symbols for enhanced functions

These symbols appear only if the functions are enabled in Climatix.

Symbol	Name	Description
	Manual operation mode	Appears when the unit is controlled manually.
	Manual stop	Appears if the unit is stopped manually.
	Fan step 1	The fan runs according to fan step 1 setting.
	Fan step 2	The fan runs according to fan step 2 setting.
	Fan step 3	The fan runs according to fan step 3 setting.
	Password protection	Displays if the unit is password protected.

Standard functions

Timer function

When timer is activated, a pen appears to the right of the timer display. Tap the pen symbol to:

- display originally set timer time
- restart timer again.

To enter timer time:

1. Press left/right arrow to switch from AUTO (preset time scheduler) to timer (manually specified time).
2. After 2 s, the settings page opens. Set the time with left/right arrow
3. Confirm selection.

If nothing is confirmed or if back arrow is used, operating mode automatically reverts to AUTO

Cancel the timer function by changing from timer to AUTO.

Set point offset of temperature

1. Press the pen to the left of the temperature indicator.
2. Press left/right arrow to adjust the setpoint (+3/-3°C) of the temperature.
3. Confirm selection.

If nothing is confirmed or if back arrow is used, the change is not saved. Automatic reset of setpoint offset after selected time is selected in Climatix.

Display room temperature, humidity and air quality

> ℹ️ Air quality sensors are not built into the room unit and can only be displayed if the air quality sensor is configured in the unit.

1. Press room temperature to change the display mode.

Password protection

The room unit is protected with a three-digit password. To enter password:

1. Tap the password protection icon.
2. Press left/right arrow to enter the password.
3. Tap the symbol again to confirm.

Enhanced functions

Manual operation

1. To activate the function in Climatix.
2. Press left/right arrow to switch from AUTO to manual operation mode. The unit can be manually controlled for: Stop, fan step 1, fan step 2 or fan step 3.
3. After 2 s, the settings page opens. Set fan steps with left/right arrow
4. Confirm selection.

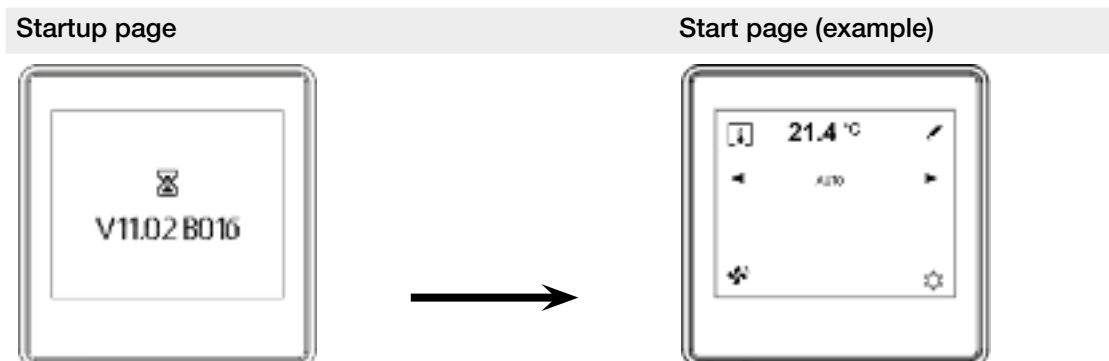If nothing is confirmed or if back arrow is used, operating mode automatically reverts to AUTO.

Select fan step in timer function

1. To activate the function in Climatix.
2. Press left/right arrow to switch from AUTO to the timer function.
3. After 2 s, the settings page opens. Set the timer time and fan step with left/right arrow
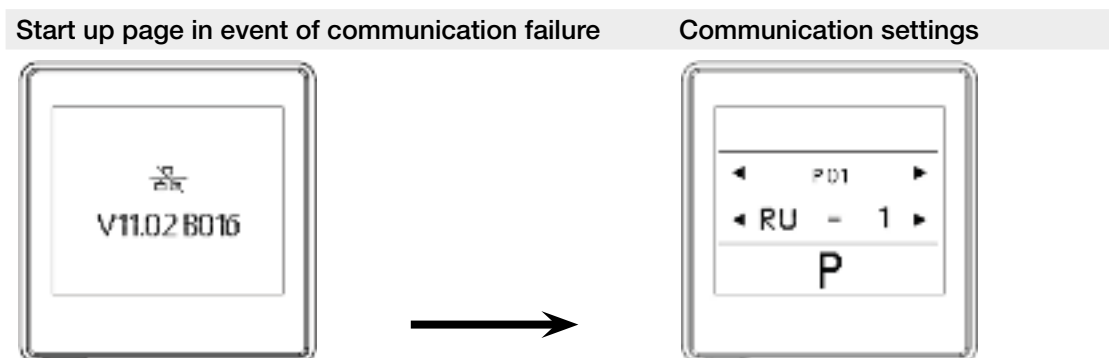4. Confirm selection.

If nothing is confirmed or if back arrow is used, operating mode automatically reverts to AUTO.

Connection

View when communication is established

Startup page	Start page (example)

View in event of communication failure

Start up page in event of communication failure	Communication settings

In event of communication error:

1. Tap the screen to go to the communication settings.
2. Check the settings against the factory settings in the table below.
3. If the settings match the factory settings, check the communication cable connection.

Factory settings

If the factory settings are used, no additional settings are required to communicate with Climatix.

Parameter	Description	Factory setting	Area
P01	Room unit 1,2,3, etc.	1	1−31
P02	Baud rate	2	1 = 9600 2 = 19200 3 = 38400 4 = 57600
P03	Parity	Smoothed	Smoothed Uneven None
04	Termination	Yes	Yes No
P05	-	-	-
P06	-	-	-
P07	Restart	No	Yes No

Feel free to contact us

IV Produkt AB, Sjöuddevägen 7, S-350 43 VÄXJÖ
+46 470 – 75 88 00
www.ivprodukt.se, www.ivprodukt.com
www.ivprodukt.no, www.ivprodukt.dk, www.ivprodukt.de

Support:

Control:	+46 470 – 75 89 00, styr@ivprodukt.se
Service:	+46 470 – 75 89 99, service@ivprodukt.se
Spare parts:	+46 470 – 75 86 00, reservdelar@ivprodukt.se
DU/Documentation:	+46 470 – 75 88 00, du@ivprodukt.se