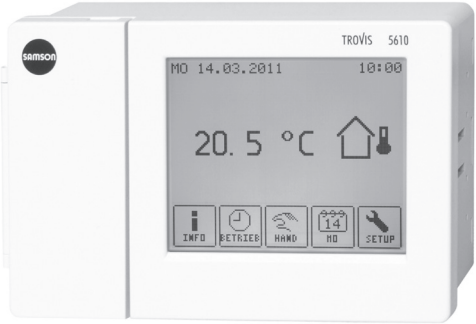
TROVIS 5600 Automation System

TROVIS 5610 Heating and District Controller · Adapter 1402-0324

Replacing TROVIS 5431 and TROVIS 5433 with TROVIS 5610



Mounting Instructions

EB 5610-2 EN

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The adapter (1402-0324) allows TROVIS 5431 and TROVIS 5433 Controllers through to TROVIS 5610 Controllers (**standard version** only) to be replaced without having to exchange the old controller base as well. In most cases, the existing wiring can be left unchanged.

Note:

– The TROVIS 5610 Controller is only able to process Pt 1000 sensors. Therfore, it is necessary to check first whether the predecessor model also worked with Pt 1000 sensors. If all sensors are to be replaced, the use of the adapter is pointless.

– We also advise against using the adapter when a TROVIS 5431 or TROVIS 5433 Controller was run using system no. 5. In this case, rewiring would take up too much time (see table below).

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NOTICE

– *If the controller to be replaced is mounted on a **wall or mounting plate,** the two seals supplied (included in the scope of the adapter's as well as the TROVIS 5610 Controller's delivery) must be used one of top of the other to ensure the required pretension is given for the side bracket (gray, included in the scope of adapter's delivery).*

– *If the controller to be replaced is **panel-mounted**, only one seal needs to be used. Depending on the thickness of the panel material, this seal may not be required either (max. possible thickness of the material: 2 mm). In this case, the two gray brackets need to be positioned before the fastening clamps of the original controller are fastened.*

Action that needs to be taken concerning terminal assignment when the adapter (1402-0324) is used depending on the system number:

TROVIS 5431, TROVIS 5433	TROVIS 5610	Action to be taken
System no. 1	System no. 1.0.0	• None
System no. 2	System no. 2.1.0	• None
System no. 2 with changeover valve (CO2->F06-1, option 2)	System no. 2.0.0	• Remove cable from terminal 20 and connect it to terminal 28 • Jumper between terminals 17 and 27
System no. 3	System no. 2.2.0	• None
System no. 4	System no. 1.2.0	• None

TROVIS 5433	TROVIS 5610	Action to be taken
System no. 5	System no. 11.0.0	• Remove VS2 from terminal 13 and connect it to terminal 14 • Remove RüS_TW from terminal 14 and connect it to terminal 13 • Remove cable from terminal 22 and connect it to terminal 27 • Remove cable from terminal 23 and connect it to terminal 28 • Remove cable from terminal 24 and connect it to terminal 29 • Remove cable from terminal 20 and connect it to terminal 23 • Remove cable from terminal 21 and connect it to terminal 24 • Remove cable from terminal 19 and connect it to terminal 21 • Jumper between terminals 17 and 22

TROVIS 5433	TROVIS 5610	Action to be taken
System no. 5 with instantaneous water heater (CO2 -> F14-1)	System no. 11.9.1	• Remove FDS from terminal 14 and connect it to terminal 2 • Remove cable from terminal 22 and connect it to terminal 27 • Remove cable from terminal 23 and connect it to terminal 28 • Remove cable from terminal 24 and connect it to terminal 29 • Remove cable from terminal 20 and connect it to terminal 23 • Remove cable from terminal 21 and connect it to terminal 24 • Remove cable from terminal 19 and connect it to terminal 21 • Remove cable from terminal 30 and connect it to terminal 20 • Jumper between terminals 17 and 22
System no. 6	System no. 1.6.1	• Remove cable from terminal 19 and connect it to terminal 18