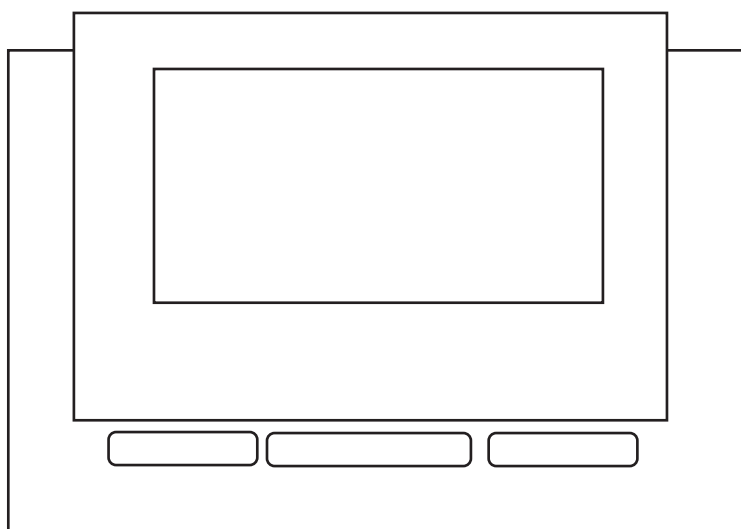


RC05

Programmable room thermostat



Installation Instructions

**THESE INSTRUCTIONS
TO BE RETAINED
BY USER**

INSTALLATION INSTRUCTIONS FOR RC05

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Installation instruction
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INTRODUCTION

The Vokera RC05 remote control enables full control of the Linea, Compact and Hydra range of boilers. The RC05 can also be used as a programmable room thermostat and has a facility for the connection of an external temperature sensor.

INSTALLATION REQUIREMENTS

To enable the correct functioning of the RC05, the following installation requirements must be adhered to:

the installation of the RC05 and the external sensor (if required), must only be carried out by suitably qualified personnel

the sensor should be mounted on an internal wall away from any source of heat and/or confined space (fig. 1)

the connecting cable length between boiler and control panel should not exceed 50-metres

ideally, the RC05 should be mounted directly to a single-gang box. The RC05 can also be wall-mounted, however the cabling will require to be flush with the finished wall surface as the RC05 is not suitable for surface wiring

all wiring between the RC05 and the appliance must conform to BS6500 and sized from 0.5 to 1.0mm²

the RC05 should be mounted approximately 1.5-metres above floor level

the RC05 when used with an external sensor, may not be suitable for systems that incorporate fan warm air heaters.

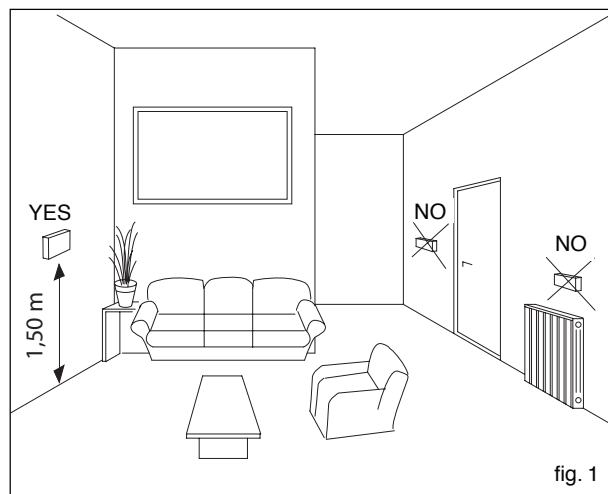


fig. 1

1. INSTALLATION OF RC05 (fig's. 2, 3 & 4)

Remove the RC05 from the packaging and detach the panel from its wall mounting plate.

Using the wall mounting plate as a guide, mark the position of the fixing holes on the chosen location for the RC05.

Drill two 6mm-diameter holes at the previously marked positions on the wall.

Route the wiring through a suitable cable entry point ensuring that the wiring does not become trapped.

Using the screws and wall plugs provided, secure the mounting plate to the wall.

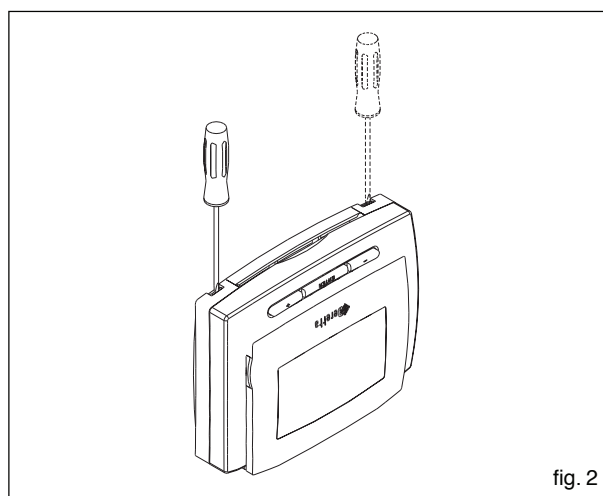


fig. 2

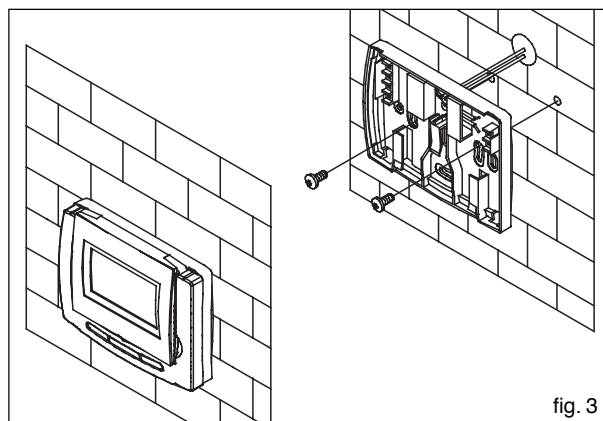


fig. 3

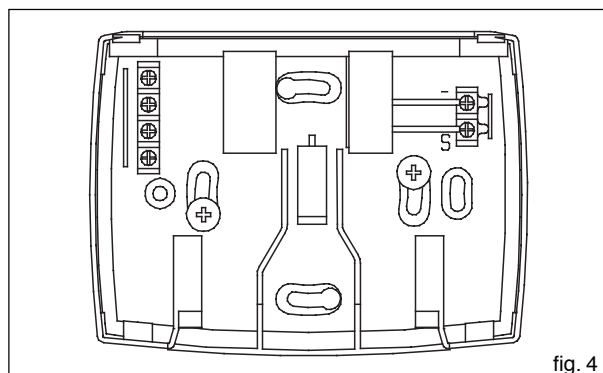


fig. 4

INSTALLATION INSTRUCTIONS FOR RC05

2. WIRING CONNECTIONS (Linea)

Isolate the appliance from the electrical supply and remove the appliance casing and input PCB cover (fig. 3 & 4). Refer to the installation instructions for details. Connect a suitable cable between the S & - terminals of the RC05 and the S & - terminals of the control PCB (see fig. 5). Remove the link-wire (if fitted) between terminals TA & TA of the control PCB.

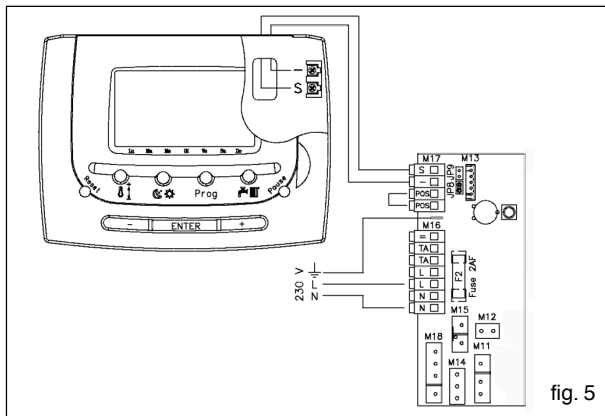


fig. 5

Refer to paragraph 4.2 if an external sensor (part no. 2359259) is also being connected.

Once the wiring connections have been completed re-attach the RC05 to the wall mounting plate.

The PCB cover and appliance casing can now be refitted.

2. WIRING CONNECTIONS (Hydra)

The RC05 must be used with the Hydra remote control interface (part no.410). Carry out the installation of the interface as detailed in the instructions supplied.

Connect the RC05 to the remote control interface as shown in fig. 6.

If an external sensor (part no. 2359259) is also being connected, refer to the instructions supplied with the sensor.

Once the wiring connections have been completed re-attach the RC05 to the wall mounting plate.

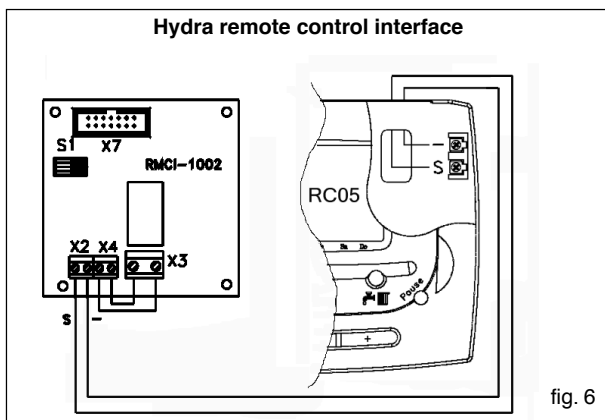


fig. 6

3. WIRING CONNECTIONS (Compact)

The RC05 must be used with the Compact remote control interface (part no.409). Carry out the installation of the interface as detailed in the instructions supplied.

Connect the RC05 to the remote control interface as shown in fig. 7.

Refer to paragraph 4.2 if an external sensor (part no. 2359259) is also being connected.

Once the wiring connections have been completed re-attach the RC05 to the wall mounting plate.

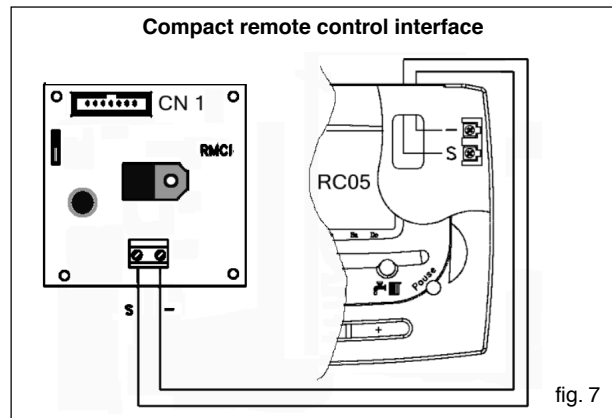


fig. 7

4. ADDITIONAL FUNCTIONS

The RC05 is equipped with additional functions. These functions enable the RC05 to be used with an external sensor, underfloor heating systems and calibration of the unit.

F1 - Frost Protection Circuit. When enabled, this function will allow a heat request should the room temperature (the room in which the RC05 is located) drop below 6.6°C. This function is not active when the RC05 is used for boiler only control.

F2 - Thermo-regulation. When enabled, this function automatically adjust the outlet flow temperature based on the current temperature of the external sensor.

F3 - Under-floor heating. When enabled, this function fixes the maximum flow outlet temperature to 40.0°C.

F4 - Service Scheduling. When enabled, this function will alert the end-user that the appliance requires it's annual service.

F5 - Internal Sensor Calibration. Used to calibrate the indoor sensor.

F6 - External Sensor Calibration. Used to calibrate the external sensor (Linea/Compact only).

F7 - Alarm History. Used to display the last 5 alarm codes generated by the boiler.

INSTALLATION INSTRUCTIONS FOR RC05

4.1 ENABLING/DISABLING ADDITIONAL FUNCTIONS

To access the RC05 additional functions, set the control to the **OFF** position (see fig. 8).

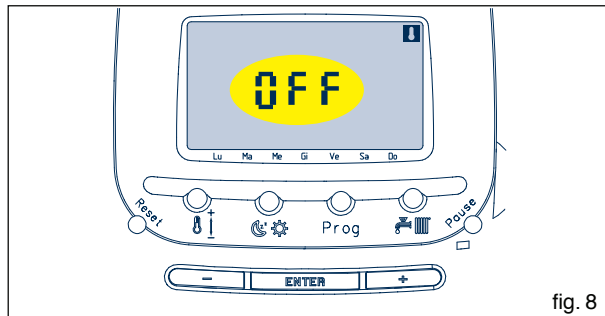


fig. 8

Press and hold the **PROG** button for 10-seconds, **F?** will now appear on the display (see fig. 9).

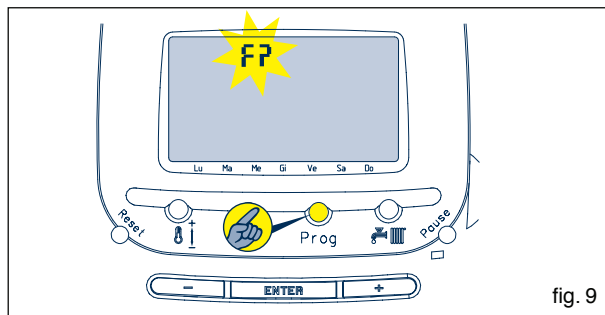


fig. 9

To access the functions press **ENTER** within 10-seconds (see fig. 10).

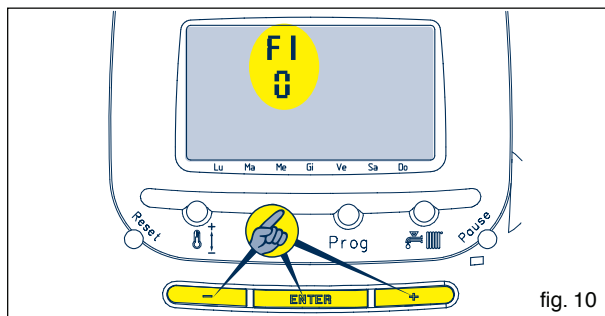


fig. 10

Use the ENTER button to scroll to the required function (F1 to F7). Use the +/- buttons to enable (1) or disable (0) the selected function (F1 to F3), to set the service schedule (F4) or to calibrate the sensors (F5 & F6).

Function	Default setting
F1 (0 or 1)	Enabled (1)
F2 (0 or 1)	Disabled (0)
F3 (0 or 1)	Disabled (0)
F4 (up to 365 days)	365 (days)
F5 (-3°C to +3°C)	0 (actual)
F6 (-3°C to +3°C)	0 (actual)
F7 (last 5 records)	- - (no record)

4.2 EXTERNAL SENSOR

When the external sensor is connected to the RC05 (Linea & Compact only) a temperature curve can be set to suit the system and location (fig. 13). Connect the sensor to the EXT terminals of the RC05 (see fig. 11).

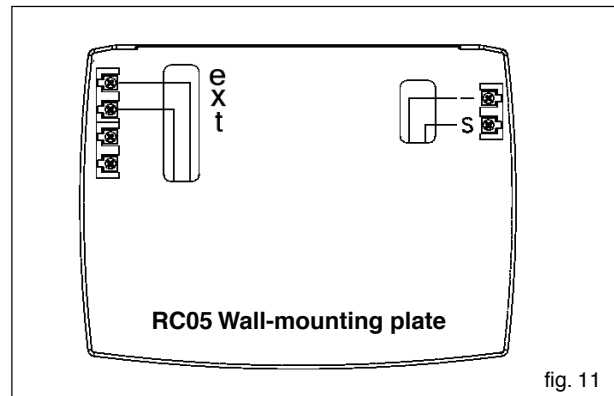


fig. 11

Use the water temperature and +/- adjustment buttons to select and store the required curve (fig. 12). Curve 'C5' is the default setting.

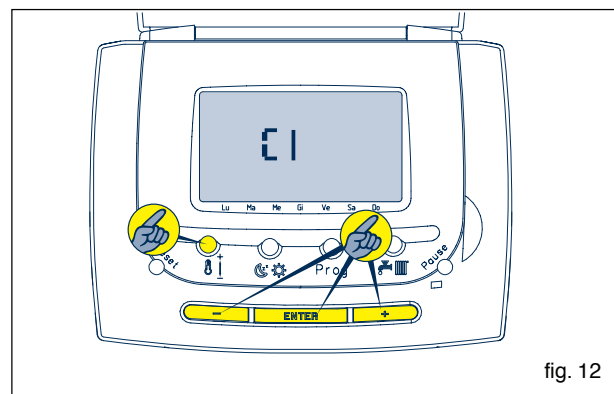


fig. 12

5. REPLACING THE BATTERY

The RC05 is supplied with long-life battery (CR1220) that is already inserted and activated. The battery should last for approximately 4-years.

Should it be necessary to replace the battery, the following procedure should be used:

- isolate the appliance from the electrical supply
- remove the RC05 control panel from its wall-mounting plate
- *remove the jumper tag from JP1
- *remove the battery from its location and *insert the new battery (observing correct polarity)
- *refit the jumper tag to JP1
- refit the RC05 control panel to the wall-mounting plate
- restore the electrical supply.

INSTALLATION INSTRUCTIONS FOR RC05

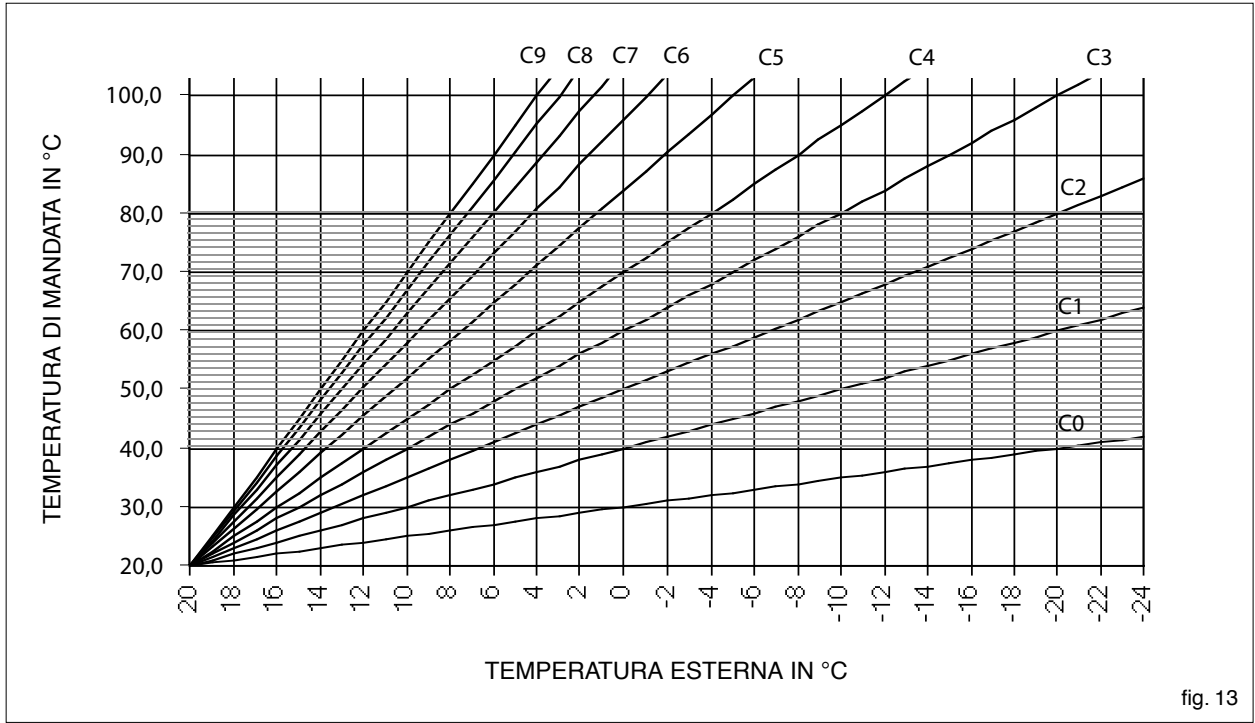


fig. 13



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