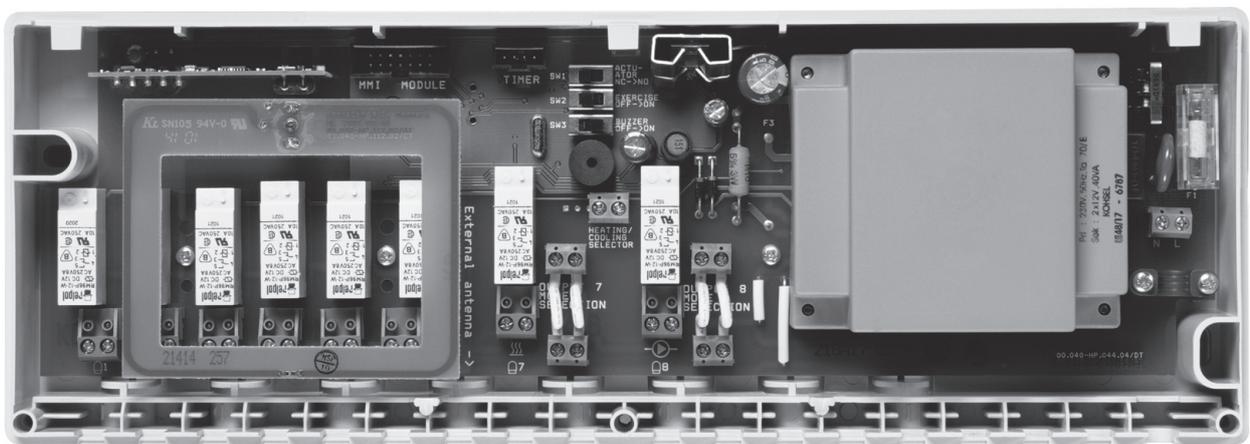


MAKING MODERN LIVING POSSIBLE

Danfoss



FH-BU

Electronic Programmer Interface

DANFOSS HEATING

Installation Guide

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FH-BU

Electronic Programmer Interface

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1.0 Installation Overview

Please Note:

This product should only be installed by a qualified electrician or competent heating installer and should be in accordance with the current edition of the IEEE wiring regulations.

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2.0 System Overview

Important note: *The FH-BU programmer interface is fitted inside the lid of the FH-BU wiring centre, and is used when an FP975-2H programmer is being installed to provide night setback control of an under floor heating system.*

Cabling between the FH-BU and the remotely located FP975-2H programmer must be carried out using double insulated cable not exceeding 1mm² in cross section. The power supply to the FP975 must be run in a separate two-core cable.

The maximum cable length between FH-BU and FP975 must not exceed 10m.

It is important not to run the cable to the FP975 parallel to other mains cables as these may cause interference.

Associated Products and Part Numbers	
FH-BU Programmer Interface	088H782000
FP975-2H	087N759900
TS715-Si	087N789900

3.0 Installation

3.1 Wiring

- Connect a three core cable between terminals 2, 3, and 6 on the FP975-2H programmer and terminals COM, ON 1, and ON 2 on the block on the underside of the programmer interface as per the diagram 1.

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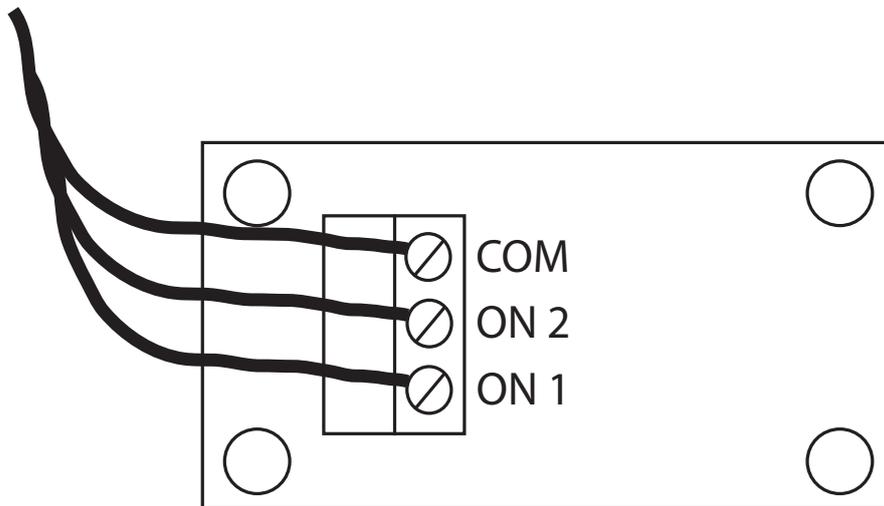
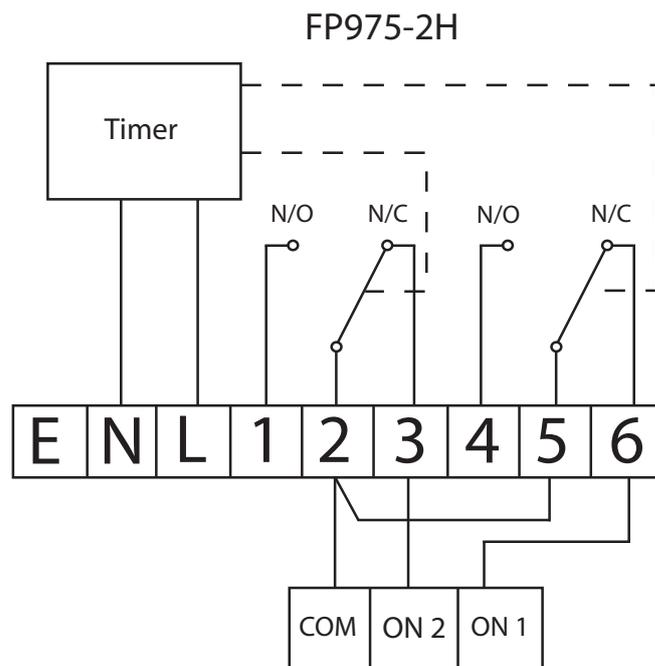


Diagram 1

- Install a link between terminal 2 and 5 on the FP975-2H wiring back plate, diagram 2.



FH-BU Programmer Interface

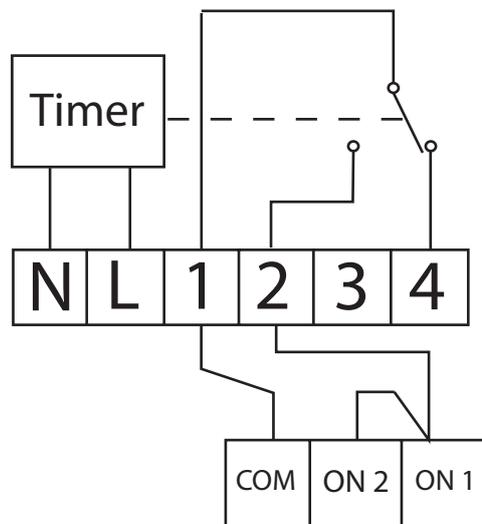
Diagram 2

3.2 Use of Single Channel Programmer

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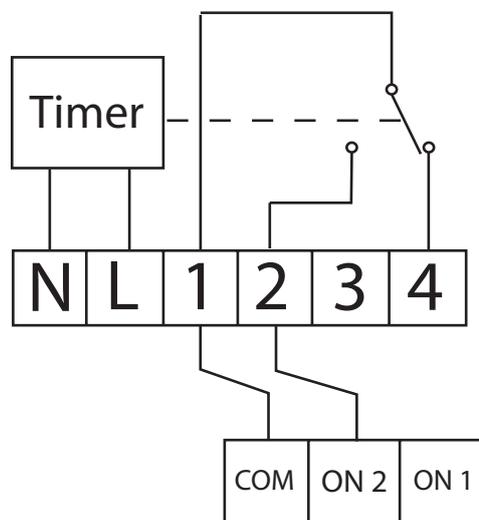
A single channel programmer with voltage free contacts such as the TS715 Si can be used with the FH-BU timer interface. This can either be used to control a single zone or both zones can be linked and controlled simultaneously (connect ON 1 and ON 2 to the same switch output).

TS715 Si controlling both zones of FH-BU



FH-BU Programmer Interface

TS715 Si controlling single zone of FH-BU



FH-BU Programmer Interface

- Attach the interface to the lid of the FH-BU wiring centre using the four screws provided, making sure the programmer wires are hidden between the lid and the interface leaving the ribbon cable and plug free to plug into the base unit.

When fitted correctly the Danfoss Randall Ltd. label will be clearly visible on the bottom of the interface.

See diagram 3

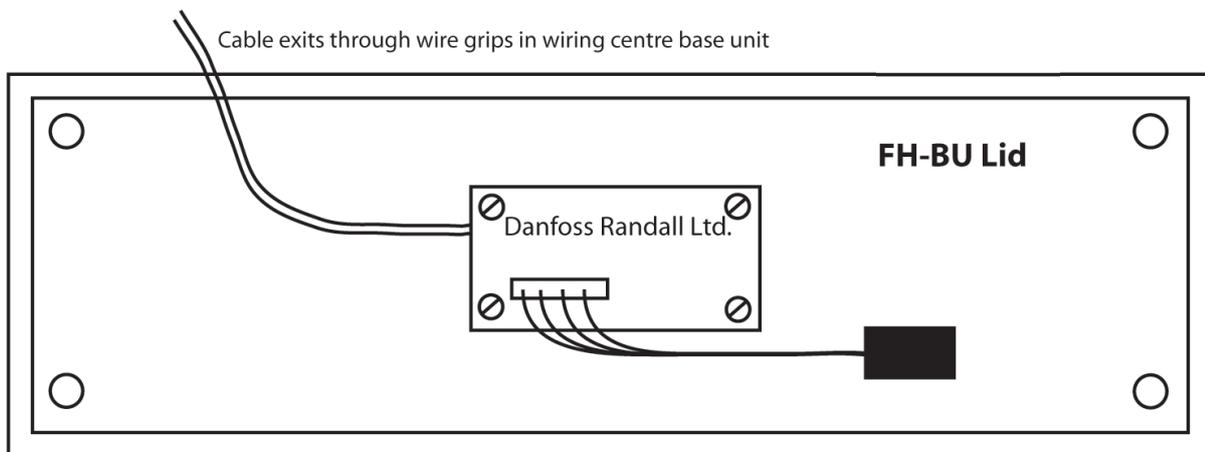


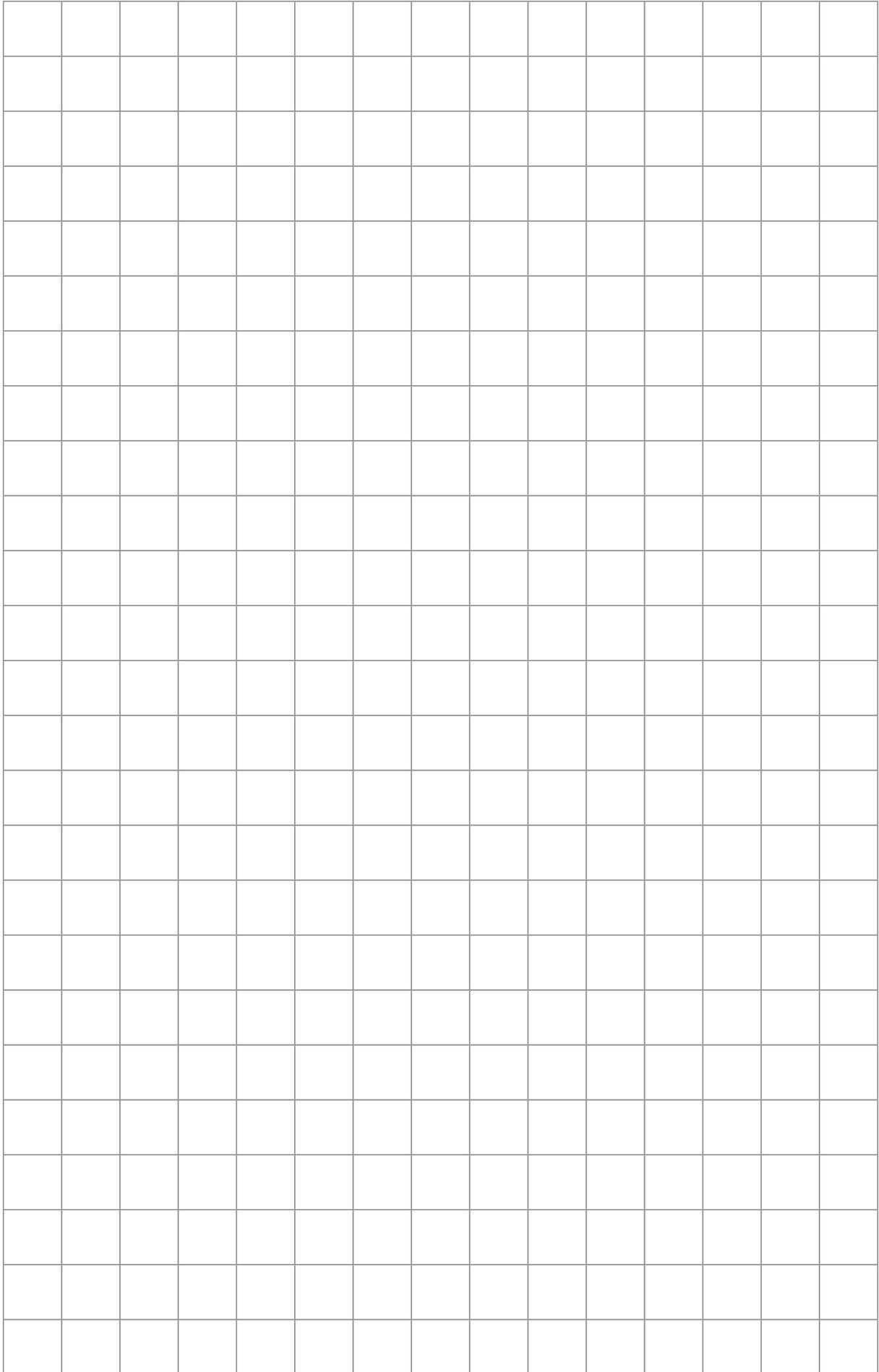
Diagram 3

- Use the cable clamps in the FH-BU base unit to secure the programmer cable.
- Plug the ribbon cable into the base unit and refit the lid onto the base unit.
- Program the FP975-2H as per the instructions packed in the box.

- a) Zones 1, 3, and 5 on the FH-BU are controlled by channel 1 on the FP975-2H, zones 2, 4, and 6 on the FH-BU are controlled by channel 2 on the FP975-2H.
- b) A programmed “ON” period means each zone will be controlled at the temperature set on the FH-RT room thermostats. This is generally known as the “Comfort” period.
- c) A programmed “OFF” period means each zone will be controlled at 4°C below the temperature set on the FH-RT room thermostats. This is generally known as the “Setback” period.

Notes

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Still having problems?

Call your local heating engineer:

Name:

Tel:

For problems relating to your heating controls?

Visit our website:

www.danfoss-randall.co.uk

Email our technical department:

drl_technical@danfoss.com

Call our technical department

0845 121 7505

(8.45-5.15 Mon-Thurs, 8.45-4.45 Fri)

**For a large print version of these
instructions please contact the
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on 0845 121 7400.**



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