



The Hiper II electronic controller is Pre-Payment ready, and no additional motorised valve to isolate the HIU and stop heating and hot water is required!

Most Billing systems use a volt free signal to shut down the HIU when out of credit and can connect directly to the pre-payment wiring connection in the HIU controller installer compartment.

**If the 230v signal from the billing system is 230v then the relay accessory must be used.**

Prepayment Relay - Part Code HIAC04230KIT



Isolate the electricity supply to the HIU and the Billing connection before removing the controller wiring compartment cover!

### Contents

Pre-wired relay OMRON in a IP65 box  
Cable tie, warning stick on label.

### Description

The Hiper II HIU is pre-payment ready and accepts direct connection to the billing provider for volt free signal when the user has run out of credit.

Should the billing system signal using 12v to 230v, then the Inta Relay must be used to provide separation for volt free switching.

### Fitting Instruction

1. The relay box is to be mounted to the wall outside the HIU casing. The distance from the HIU is not limited but a pre-wired cable is provided so the box can be mounted in close proximity to the HIU. Slide forward the relay off its mount rail and at the back of the box two holes are for wall mounted. Mark the wall in the position the box is to be mounted, drill/plug as required in readiness for final fixing later when the wiring is complete.

2. The relay pre-wired cable is the volt free connection to the HIU's controller. Pass the cable through the one of the cable glands underneath the HIU. Remove the installer compartment cover on the controller to reveal the wiring connections. Install the cable onto the connections as shown in Fig 1, using the cable gland to enter the compartment. Once wiring complete with secure cable connection on the push fit terminals, reseal the controller cover.

3. Check again , that the cable with the 230v supply is isolated and safe before wiring to the relay box.

4. With the relay off its mount rail, and with the pre-wired cable connected securely to the terminals 5 and 9 prepare the billing connection cable.

Pass the billing cable through the second grommet on the relay box and make switched live 230v connection to;

**Terminals 14 and 13** see Fig 2

5. Fit the relay box to the wall in the position prepared earlier. Replace the relay onto its mount inside the box, and replace the cover. Check all is correct and safe before powering up again.

Fig 1

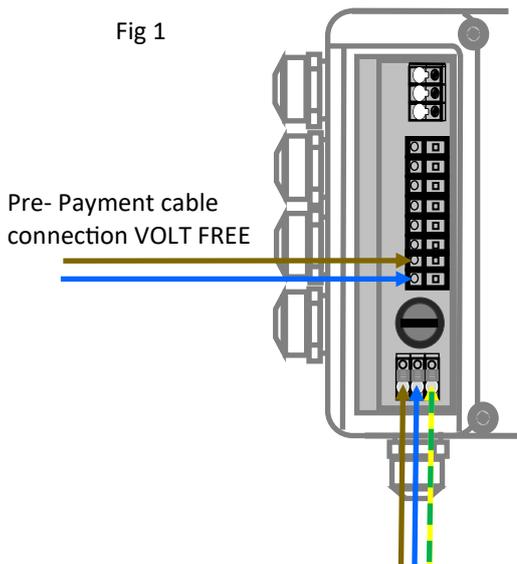
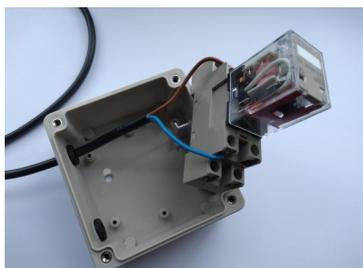
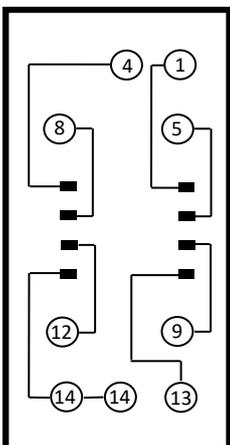
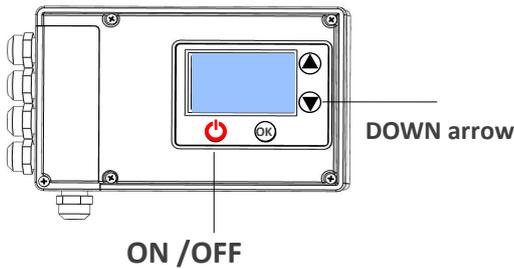


Fig 2





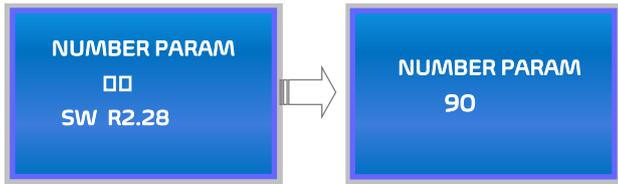
6. On power up see the HIU installation instructions for First Power Up sequence, and then continue as below.

7. Setting the controller for Pre-Payment

**HOLD both the DOWN arrow key AND THE ON /OFF key at the same time for over 6 seconds and the installer level 7.1 Programming screen is revealed.**

The parameter required to set Pre-Payment ON is parameter 90

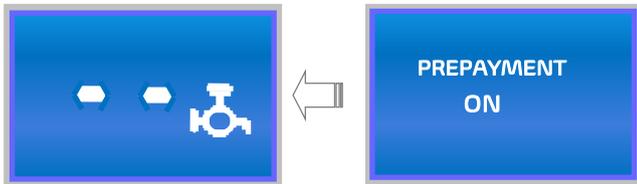
To find parameter 90, use the up and down arrows.



7.1 Set parameter 90

7.2 Press OK

7.2 First the right hand digit set to 0, press OK to set it. Then the left hand digit will flash on and off, now scroll up and down with the arrow buttons until the parameter is now showing as 90



7.4 HIU is back in Stand By

7.3 Prepayment is set to on.

**7.2 Using the arrow buttons, set PREPAYMENT ON.**

Press OK

7.4 Screen will then revert to Standby



**Prepayment**

The HIU is configured for pre-payment billing, or sometimes called Pay as You Go.

All hot water and heating services are pre-paid to the billing company managing this property.



The tenant or home owner pays for heat as used to make hot water and heating and measured by the heat meter in the HIU. Here the screen alternates approximately every 8 seconds between the CREDIT ON display, and the standby screen, hot water and heating are available on demand.

Should the tenant or home owner fall out of credit, then the billing system will at some stage (according to policy) send a signal to the HIU to shut down. The screen shows CREDIT OFF. Heating and hot water will now not be available until the payment is made to the billing company at which point a signal will be sent to the HIU, allowing it to resume hot water and heating on demand.