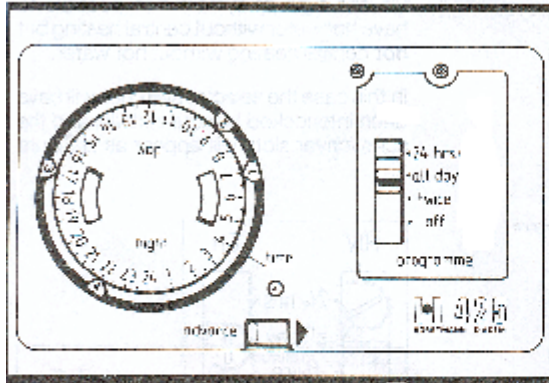
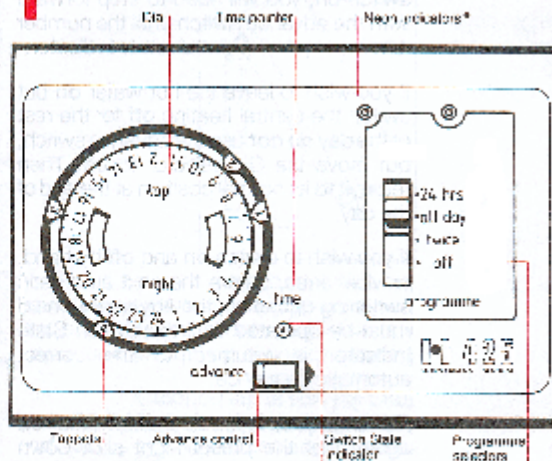


3. User's operating instructions  
Horstmann Model 425 Diadem and  
425 Tiara Time Control

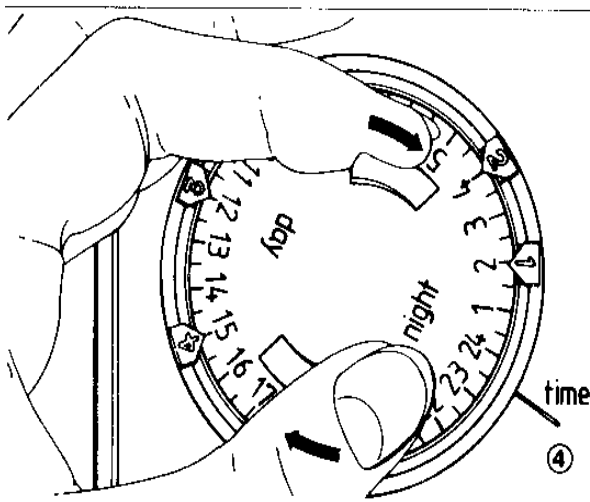


1 THE CONTROLS



H 425

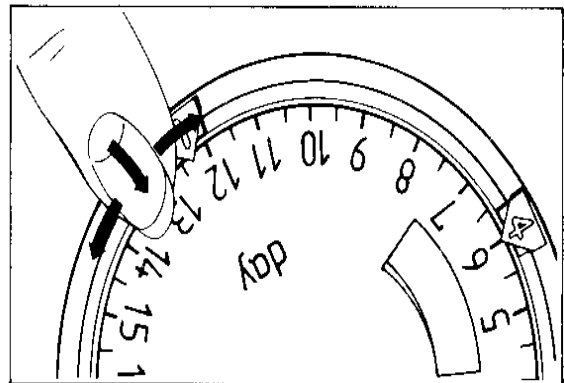
2 DIAL



The dial moves clockwise and makes one revolution every 24 hours. To set the time turn the dial **clockwise** by hand until the correct time of day is against the line marked **time**.

**Note** the dial must **never** be turned anti-clockwise.

3 TAPPETS



The four setting tappets, coloured red and blue, are moved around the circumference of the dial to set your required **on** and **off** times.

The **red** tappets, numbered 1 and 3, turn the system **on**. The **blue** tappets, numbered 2 and 4, turn the system **off**.

To set a tappet, press the coloured pointer, push the tappet lightly and slide it – in either direction – to the required time. For a normal daily heating programme, red tappet 1 is set to the first **on** operation of the day, and the others set in order so that blue tappet 4 is the last **off** operation of the day.

4

**Note** tappets cannot be moved across the time line, so you may have to turn the dial to a suitable position to set a time.

After setting your **on** and **off** times, check that the dial is set to the correct time of day.

#### SWITCH STATE INDICATOR

Located above the advance switch, the switch state indicator shows you the number of the tappet which operated last; **eg** if the system was switched on by tappet 1 at 7.00am and it is now 9.00am, 1 will show in the aperture.

To ensure that the switch state indicator is set to the correct position in relation to the tappets, rotate the dial one whole turn and reset to the correct time of day.

5

#### NEON INDICATORS\*

The appropriate neon indicator lights up when the hot water and/or central heating circuits of the time control are switched **on**, even if the circuits are switched off by the thermostats.

6

However, with certain fully pumped systems, the neon indicators may remain lit when the time control is in an **off** position. This does not affect the normal operation of the unit.

#### PROGRAMME SELECTORS

When **24 hours** is selected the system is permanently **on** and there is no automatic timed control.

When **off** is selected, the timer continues to operate but the system will not switch **on**.

When **all day** is selected the system switches **on** at the time selected by red tappet 1 and **off** at blue tappet 4. Tappets 2 and 3 are ignored.

When **twice** is selected the system switches **on** at red tappet 1, **off** at blue tappet 2, **on** again at red tappet 3 and **off** at blue tappet 4.

**\*Please Note:** Neon Indicators are not fitted to the 425 Tiara model.