



REMOTE MOUNTING

Where surface run cables are acceptable

1. Position mounting plate provided in kit at the time control intended location. Mark position of fixing holes.
 2. Fix mounting plate using suitable fasteners.
 3. NOTE: Wiring between the time control contact and heater carries only 24v. Electrically connect time control to mains supply and heater so that the time control contacts are in series with room thermostat. If you have a MODAIRFLOW heater connect time control contacts to heater as follows:
 - i. Remove yellow wire from heater terminal block (this is numbered 6 or lettered F depending on heater type, but there is only one yellow wire connected to the terminal block).
 - ii. Connect one wire from the time control to terminal vacated by yellow wire.
 - iii. Connect other wire from time control contact to yellow wire using suitable connector.
- Ensure that all wires pass through large hole in the time control and secure with strain relief bush provided.
4. Assemble time control to mounting plate and secure with hexagon screw on underside.
 5. Switch ON mains electricity supply and set time control in accordance with its own instructions.
 6. Fit Transparent cover.
 7. Hand *User Instructions* to householder and instruct householder in time control operation.



Johnson & Starley

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CL2 TIME CONTROL KIT

FITTING INSTRUCTIONS

This Time Control is a spare for Johnson & Starley domestic heaters. It can be used to replace either Horstmann clocks or existing CL2 clocks and for remote mounting where surface wiring is acceptable.

Kit Consists of:-

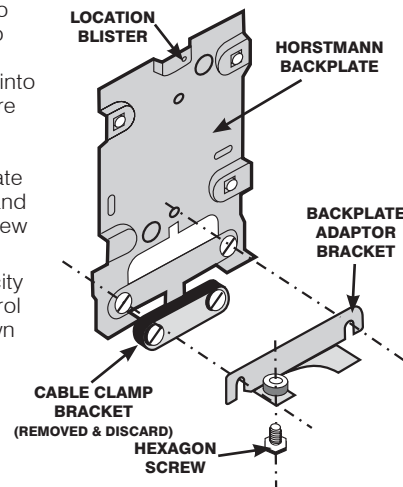
CL2 Time Control
Mounting plate (for remote mounting only)
Transparent cover
Backplate adaptor
(required when replacing Horstmann clock)
Strain relief bush
Screw - hexagon slotted
User Instructions

**Johnson
& Starley**



REPLACEMENT OF HORSTMANN CLOCK

1. Switch **OFF** mains electricity supply to Air Heater.
2. Locate old time control and loosen case fixing screw (located on underside of Time Control). Remove casing to expose mechanism.
3. Remove mechanism from backplate by loosening mounting screw, accessible through hole at top centre of mechanism, and lifting by approx. $\frac{1}{8}$ " to release lugs. Remove mounting screw and discard.
4. Disconnect harness wires from time control and release cable clamp. Discard old time control.
5. Loosen, but do not remove, two slotted screws securing cable clamp bracket. Remove bracket and discard.
6. Fit new backplate adaptor in place of old cable clamp bracket and secure.
7. Connect harness to new time control in accordance with wiring diagram on rear of clock mechanism ensuring harness passes through large hole in bottom of clock case. Secure wires in hole with strain relief bush provided.
8. Assemble Time Control to backplate by hooking tab in centre of top flange on rear of time control case into raised blister in top centre of backplate. Push time control downwards and inwards at bottom to locate over backplate adaptor and secure with hexagon screw supplied.
9. Switch **ON** mains electricity supply and set time control in accordance with its own instructions.
10. Fit transparent cover (if required).



REPLACEMENT OF EXISTING CL2 CLOCK

1. Switch **OFF** mains electricity supply to Air Heater.
2. Locate time control and remove hexagon screw (located on underside of clock). Remove time control by pulling away from backplate at bottom and then lifting to disengage flange at top.
3. Disconnect harness from time control and discard old time control.
4. Reconnect harness to new time control ensuring harness passes through large hole in case and secure with strain relief bush provided.
5. Assemble time control to backplate and secure with hexagon screw on underside.
6. Switch **ON** mains electricity supply and set time control in accordance with its own instructions.
7. Fit transparent cover if required.

REPLACEMENT OF EXISTING CL2 CLOCK On JT19-25 Mk. 2 Air Heater

1. Switch **OFF** mains electricity supply to Air Heater.
2. Remove front door of unit and electrical cover plate. (5 screws).
3. Remove 2 off clock fixing screws situated on underside of fan compartment base and retain.
4. Disconnect wires from time control. Remove and retain 2 off captive nuts from old clock case. Discard old time control.
5. Fit captive nuts onto new clock case and reconnect harness.
(NOTE! Wiring DOES NOT pass through hole in case on this unit.)
6. Fit new time control to fan compartment base, using screws retained from step 3 above, from underside of fan compartment base. Line up front of clock case with front edge of fan compartment before tightening the screws.
7. Refit electrical cover plate.
8. Switch **ON** mains electricity supply and set time control in accordance with its own instructions.
9. Refit front door of heater.