

HHS C10 Rebar Cutter Controller Instruction Manual

I. Purpose

The HHS C10 rebar cutter controller (hereinafter referred to as the controller) is applicable as a time - delay element in control circuits with an AC 50Hz, rated voltage of 380V or below, or a DC working voltage of 24V. It connects or disconnects the circuit at a preset time.

This controller adopts a single - chip microcomputer circuit, featuring a novel appearance, small volume, strong anti - interference ability, reliable operation, and long service life.

II. Main Technical Data

1. Working Voltage: AC24V, 36V, 110V, 127V, 220V, 380V 50Hz, with an allowable voltage fluctuation range of (85 - 110%) U_e ; DC24V.

2. Time - delay Range: 0.01s - 0.99s.

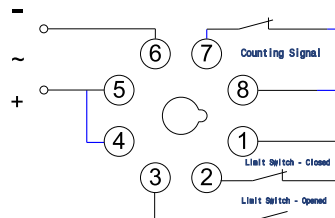
3. Contact Quantity: 2 sets of time - delay change - over contacts; one set of counting signals.

4. Contact Capacity: AC250V 10A ($\cos\phi = 1$).

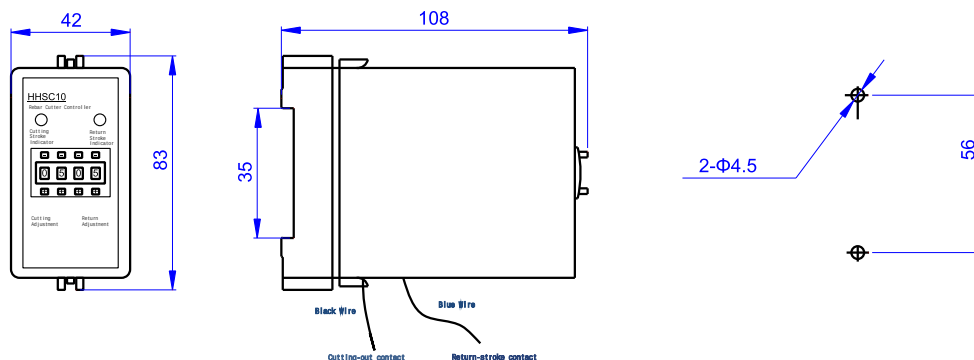
5. Installation Method: Panel - type.

6. Ambient Temperature: -5°C - $+40^{\circ}\text{C}$.

III. Wiring Diagram



IV. Outline and Installation Dimensions



V. Usage Instructions

1. There are two leads, blue and black, at the bottom of the controller. The controller terminals 4 are connected to the black (normally - closed contact for blade - out) and 4 are connected to the blue (normally - closed contact for blade - back).

2. Controller terminals 1, 2 (normally - closed signal of the limit switch), 1, 3 (normally - open signal of the limit switch), 5, 6 are connected to the working power supply (4 and 5 are internally short - circuited), 7, 8 are connected to the counter signal (7 is connected to the counter CP signal, and 8 is connected to the counter 0V).

3. When the controller is powered on, when the 1, 2 signal is disconnected, 4, black (blade - out contact) is connected and starts to delay. When the delay reaches the set value for blade - out, 4, black (blade - out contact) is disconnected, and at the same time, 4, blue (blade - back contact) is connected. 7, 8 (counter signal) have a voltage signal and start to delay. When the delay reaches the set value for blade - back, 4, blue (blade - back contact) is disconnected, the voltage of 7, 8 (counter signal) disappears, and a working process is completed, waiting for the 1, 2 signal to be disconnected again; meanwhile, when the 1, 3 signal is connected, the above - mentioned working process is repeated.