

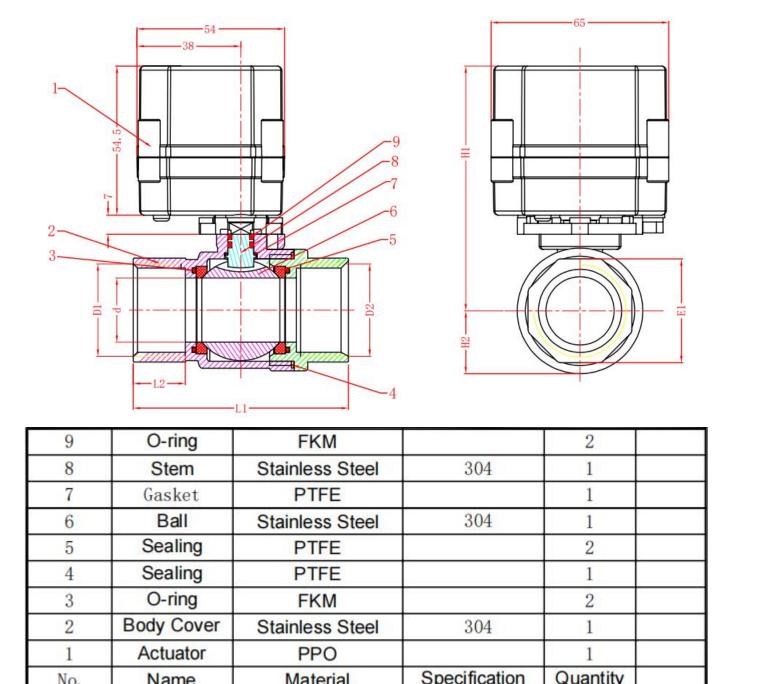
Tonhe A20 Series TIMER CONTROLLED VALVE



Technical Parameters:

Product size	□NPT/BSP 1/4" □NPT/BSP 3/8" □NPT/BSP 1/2"				
	□NPT/BSP 3/4" □NPT/BSP 1" (Optional)				
Maximum working pressure	1.0 MPa				
Circulation medium	Fluid, air				
Rated voltage	AC/DC9-24V AC110-230V (optional)				
Working current	≤500mA				
Life time	70000 times				
Valve Body material	□Brass □304 Stainless steel (Optional)				
Actuator material	Engineering Plastics				
Sealing material	EPDM & PTFE				
Actuator rotation	90°				
Max. torque force	2 N.m				
Cable Length	0.5m 1.5m (Optional)				
Environment temperature	-15℃~50℃				
Liquid temperature	2℃~90℃				
Manual override	No				
Indicator	Yes				
Protection class	IP67				

Technical Parameters:



110.	Traine	IVIC	teriai	- 1			c.c	
25	-S2-C-H	1"	25	81	18	38	90	24.5
20	-S2-C-H	3/4"	20	72	17	31	88	20
15	-S2-C-H	1/2"	15	62	14	25	84. 5	17
10	-S2-C-H	3/8"	10	51	12	21	82. 5	14
8	-S2-C-H	1/4"	8	51	12	21	82. 5	14
Desc	cription	D1/D2	d	L1	L2	E1	H1	Н2

Material

Name

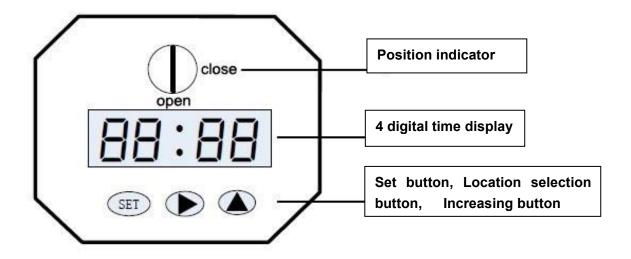
No.

1 Parameter specifies

Working voltage :110 \sim 230V, 9-24V

The time for keeping valve open :0 H : 0M : 0S - -99 H 59 M 59 SThe time for keeping valve closed : 0 H : 0M : 0S - -99 H 59 M 59 S

2 Timer specification

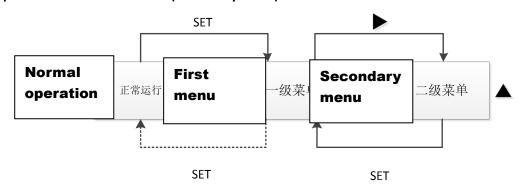


3 Operation instruction

Actuator parameter setting have two menu structures on below:

Function code (fist menu),

The setting parameters of function code (secondary menu)



Picture 0 Secondary menu operation menu

Function code	Content	Value	Unit	Remarks
t on	valve keeping open time	00:00:00 – 99:59:59	H:M:S	
toFF	valve keeping closed time	00:00:00 – 99:59:59	H:M:S	
PonS	Power -on Action	On/off		

Prot

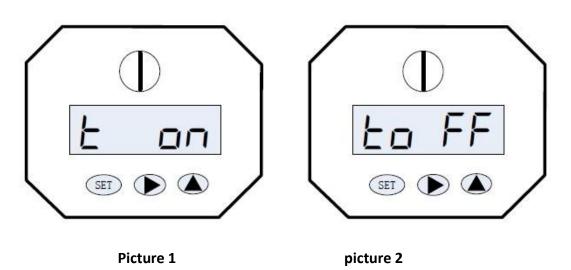
Stall current setting

O-599

MA

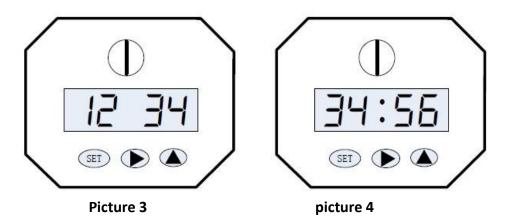
When the current is bigger than the setting value 1.6S, the motor will stop working , and the display will show Err.

Parameter function control table



1 Press 2 seconds and enter to fist menu, the screen display picture 1 text (t on), indicating enter to set the valve keeping open state.

Press again, the screen display picture 2 text (t o FF), indicating enter to set the valve keeping closed state.

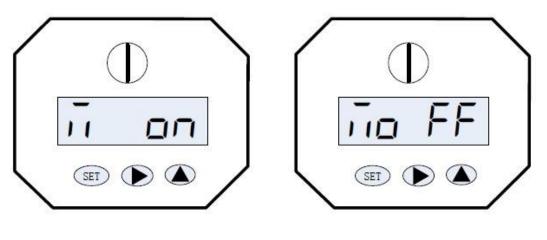


2 Press then the after entering the stetting state , showing the valve keeping time for setting (Set the valve keeping open time on the valve keeping open state . Set the valve keeping closed time on the valve keeping closed state.) . Select flashing bit by pressing , and change the numerical by pressing .

When ":" is flashing, indicate setting "HS (hours): MS(minutes)", and change the flashing fit by pressing When the ":" is bright, indicate setting "MS(minutes): SS(seconds)".

The data will be deposited in the valve controller after completing the setting.

Press SET when finish setting, will return fist menu, press again, enter to next fist menu to set parameters.

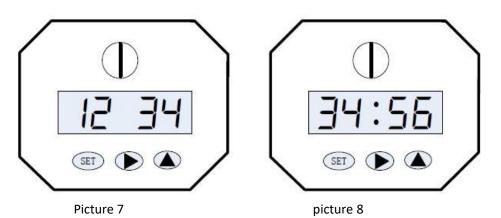


Picture 5 picture 6

3 Press the SET & , the screen display picture 5 , indicating open the valve manually.

Press the SET & , the screen display picture 6, indicating closed the valve manually .

Exit manual mode to press the SET & or SET & . And go the power -on action .



4 On the normal working state, the displayed time is valve keeping time.(e.g. Valve keeping open time is 10 S, will count down 10S)

The ":" is flashing, indicating the "HS (hours): MS(minutes)".

The ": " is bright, indicating the " MS(minutes): SS(seconds) ".

4 Stalling protection function

When the actuator is detected stalling, it will run in reverse direction .when reach to the open or closed position , and do the close or open action again , meanwhile displaying flashed **0000-0001** on screen (indicating the current retrying times). If it fail at third retrying , the valve will stop running and display ERRL on the screen.