

RFS A 20-S Series

TIMER CONTROLLED VALVE



MODEL

A20-S-SUS304-(AC110~230V)(NPT1/2)
A20-S-SUS304-(AC/DC9~24V)(NPT1/2)

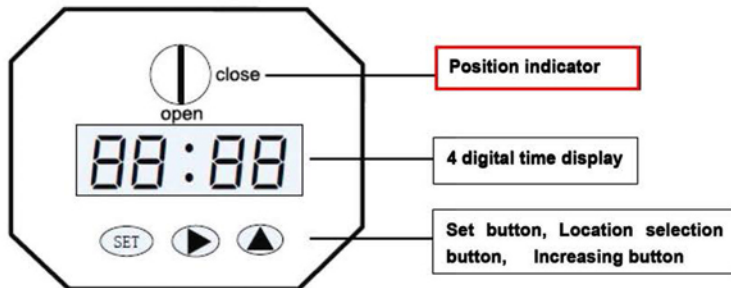
1 Parameter specifics

Working voltage :AC110-230V/AC/DC9-24V

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

The 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 as below:

Function code (first menu),

The setting parameters of function code (secondary menu)

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



Picture 3



picture 4

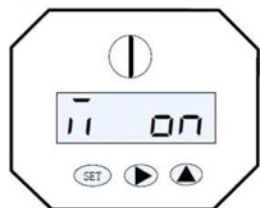
2 Press then the **▶** after entering the setting state , showing the valve keeping time for setting (Set the valve keeping open time on the valve keeping open state . Set the valve keeping closed time on the valve keeping closed state.) . Select flashing bit by pressing **▶** , and change the numerical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

When " : " is flashing , indicate setting "HS (hours) :MS(minutes)", and change the flashing bit by pressing **▶** .

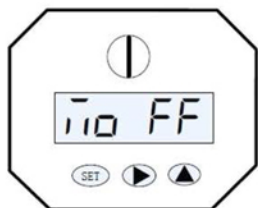
When the " : " is bright , indicate setting " MS(minutes) :SS(seconds) " .

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

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



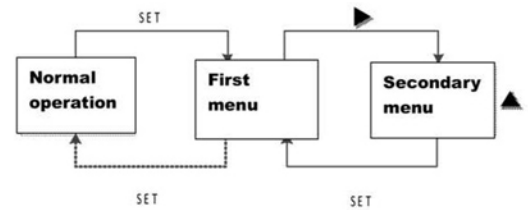
Picture 5



picture 6

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

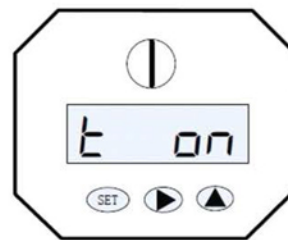
Press the **SET** & **▲** , the screen display picture 6, indicating closed the valve



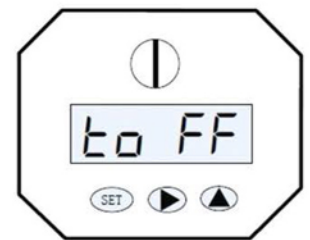
Picture 0 Secondary menu operation menu

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	0-599	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



Picture 1



picture 2

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

manually .

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



깜빡일때
Picture 7



안 깜빡일때
picture 8

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 .