






TCR-20/40 Series

Electric Actuator

- Ultra-small size, delicate appearance
- Rated torque: 200/400Nm
- Enclosure level: IP67
- Mechanical port: ISO5211 (F05/F07)
- Output shaft: Female octagonal: 22X22
- Adopt high performance brushless motor, overall actuator could be used 20,000 times ^{*1}

※ TCR series means whole plastic casing:PC+PET



	Product Model	Rated Voltage	Time	Additional Function	Remarks
	TCR-20/40N Normal on/off model	AC/DC24V AC95-265V	25S	HTR(anti-condensation heater)	Dry contactor feedback Feedback signal is asynchronous with actual arrival
	TCR-20/40C Intelligent on/off model	AC/DC24V AC95-265V	25S	A(alarm signal output) HTR(anti-condensation heater)	Feedback signal is synchronous with actual arrival ^{*2} PUL speed adjustment PWM speed adjustment Double 0.96" OLED screen Perform 2-way/3-way/4-way mode
	TCR-20/40T Intelligent modulating model	AC/DC24V AC95-265V	25S	A(alarm signal output) HTR(anti-condensation heater)	Double 0.96" OLED screen Control feedback mode: 4-20mA/0-20mA/0-10mA 0-5V/1-5V/0-10V/2-10V ^{*3}
	TCR-20/40B Intelligent bus model	AC/DC24V AC95-265V	25S	A(alarm signal output) HTR(anti-condensation heater)	RS485, CANBus2.0 Double 0.96" OLED screen On/Off model has PUL Bus on/off model(ON/OFF/B33) Bus modulating model, modulate precision is 1%
	TCR-20/40R Intelligent wireless model	AC/DC24V AC95-265V	25S	A(alarm signal output) HTR(anti-condensation heater)	Wireless ON/OFF model(ON/OFF) Double 0.96" OLED screen Wireless modulating model, modulate precision is 1% Communication frequency: 433/868/915MHZ LORA: The max is 2.5km (cleared area) ENOCAN:20-100m ^{*4}

Notice: ^{*1}. Test condition: Rated load, test at factory environment of 25°C temperature and 50% humidity , lead the result from 2 times switching cycle, which will be influenced by different load and working environment.

^{*2}. The relay feedback is dry feedback signal, which will be disappeared when power-cut, and then will be recovery when power-on.

^{*3}. The control terminal adopts two ways independence input: One way is 0-10V,2-10V,0-5V,1-5V . The other is 0-20mA,4-20mA,0-10mA.Both could be selected by menu.

The feedback terminal also adopts two ways independence output: One way is 4-20mA , the default is output . The other is 2-10V ,the default is output . Both of them could be changed to 0-20mA or 0-10V output.

^{*4}. The OCEAN mode of wireless model provide self-powered telecontrol switch, while the LORA mode provide wireless centralized controller. wireless model doesn't have mechanical manual function. But under power-on condition it could be control valve on or off by key-press and menu in local.

PWM: The influence of speed adjustment to torque, the lower speed ,the smaller torque ,the max will be reduce more than 35%.

PUL: Speed adjustment has little influence to torque, the torque would be reduce about 15%

HTR: Anti-condensation heater, built-in module, when the internal temperature is below 25°C,the actuator will turn on heating function, which power is 2W.

A: Means fault feedback signal, which is relay dry feedback signal.



Ocean Controller



Lora Controller

