






PSI TCR-200/400 Series

Electric Actuator

- Ultra-small size, delicate appearance
- Rated torque: 200/400Nm
- Enclosure level: IP67
- Mechanical port: ISO5211 (F05/F07)
- Output shaft:
- 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) ENOCEAN: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

