

# PowerLink<sup>®</sup> FC2310 Engine Throttle Executor Introduction



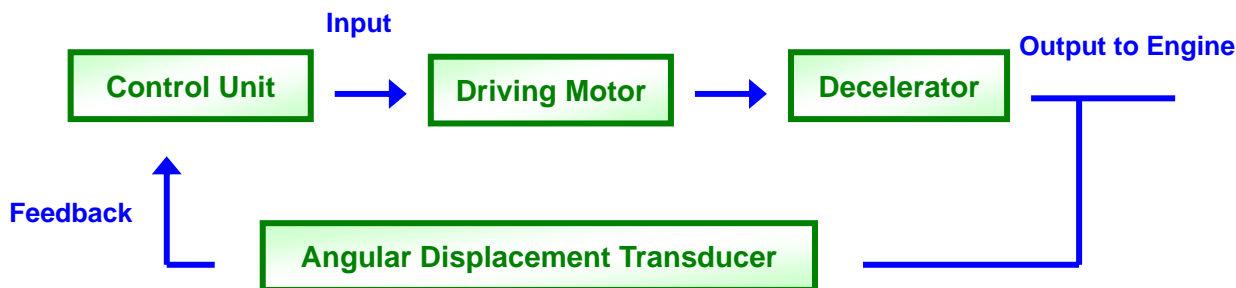
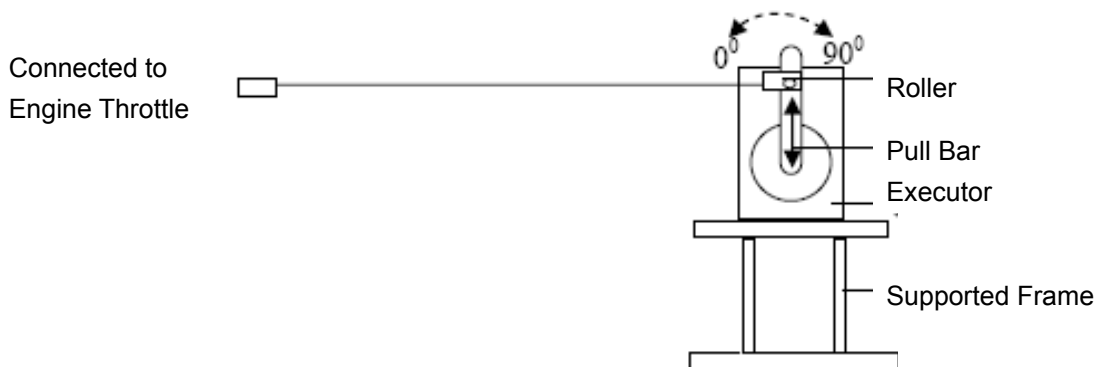


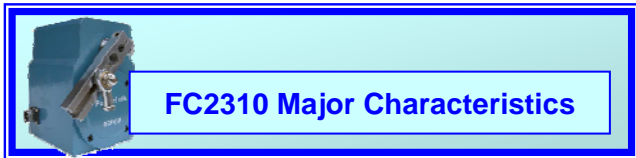
Engine Throttle Executor can automatically or manually release throttle.

The engine throttle can be opened and closed to the certain degree through the angle sensor with the comparison calculation between the engine real throttle opening and throttle opening provided by this system. Through the PID system, the engine rotational speed and torque can be adjusted automatically.

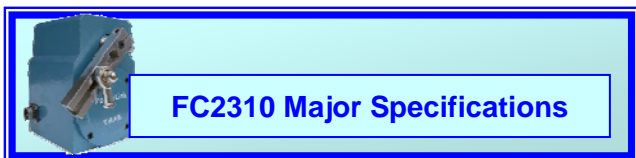


FC2310 Engine Throttle Executor is the key module of FC2000 Engine Automatic Test and Control System. The function is mainly associated with FC2010 Engine Dynamometer Measuring and Control Unit and or other Powerlink developed automation control device, Hydraulic Dynamometer and Eddy Current Dynamometer. The Engine Throttle Executor controls the degree opening of engine throttle to finish all different kinds of engine property tests.





- Fast signal transmission with far distance contributes a lot for controlling in separate room
- High sensitivity and high accuracy
- It is convenient to associate with devices and gauges and easy for connection
- High torque output: FC2310-1 (15 N.m.)
- Fast dynamic reaction speed. Only 0.4 seconds are necessary for full measurement range
- The wholly sealed design is suitable on bad working condition



<b>Maximum torque:</b>	30 N.m. (FC2310-3) 25 N.m. (FC2310-2) 10 N.m. (FC2310-1)
<b>Rotational angle:</b>	90°
<b>Effective range:</b>	85 ~ 140 mm
<b>Motor voltage:</b>	DC 24V
<b>Surrounding temperature:</b>	0 ~ 40°C
<b>Relative Humidity:</b>	≤ 85% RH
<b>Full measurement range time:</b>	≤ 0.4 seconds
<b>Overall dimension:</b>	200 x 155 x 210mm