



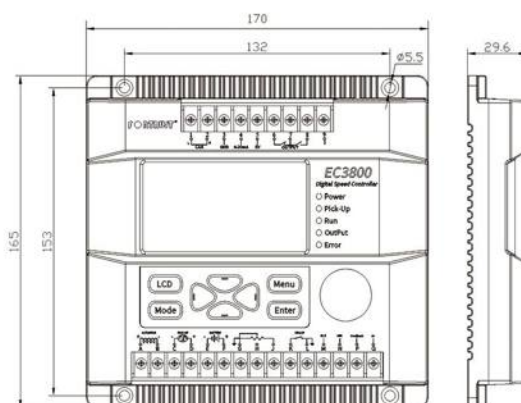
PRODUCT OVERVIEW

- LCD graphical interface display
- Provides CAN communication interface for real-time communication with external devices
- PID parameter adjustment function and segmented PID calibration function, can calibrate different operating points separately
- Has display screen heating function, can work normally in low temperature environment
- Has WIFI hotspot function, can communicate data with external devices via WIFI hotspot

PRODUCT FEATURES

- The GEC3805 electronic control system improves various performance indicators of the engine without major modifications to the traditional engine. The controller contains complex control circuits and is the core of the entire control system, with its core component being a fast and efficient 32-bit microprocessor.
- Compared to mechanical speed control systems, the system can improve various performance indicators of the engine, with a response performance time of $T \leq 35\text{ms}$.
- Compared to analog electronic speed control, the system can implement flexible control strategies, such as PID segmented control, automatic adjustment of two-stage starting fuel quantity, paralleling function, full-range speed control, dual-frequency switching, alarm switch signal output, CAN communication, and WIFI connectivity.

APPEARANCE DIMENSIONS



PRODUCT PARAMETERS

Model	GEC3802	GEC3804	GEC3805
Main Functions	The GEC3800 series controllers are divided into three models: GEC3802, GEC3804, and GEC3805. GEC3805 is designed to match engine systems with single closed-loop requirements, GEC3802 is designed to match engine systems with dual closed-loop requirements, and GEC3804 is specifically designed to match engine systems with VP system requirements.		
MCU	32-bit high-speed processing chip		
Screen	LCD 132*64		
Power supply voltage	DC12V/DC24V		
Output	2 contacts (normally open/long closed)		
Communication	CAN (J1939)/WIFI module (optional)		
Input	4~20mA, 0~5V		
Operating temperature	-40~105C		
Operating humidity	<95%		
Protection level	IP20		