

fault, motor temperature and other information so as to achieve the dynamic adjustment of the output speed of the VFD-Motor.

The console, the programmable controller box and the VFD-Motor together form the control system.

After the console is connected with the controller box, the console only needs to send a switching start/stop signal to the controller box to enable the start and stop control of the unit.

The typical system control logic is: when the controller box receives the start signal from the console, it sends a start command, speed and torque signals, which are transmitted to the VFD-Motor through CAN bus, to control the unit's running.

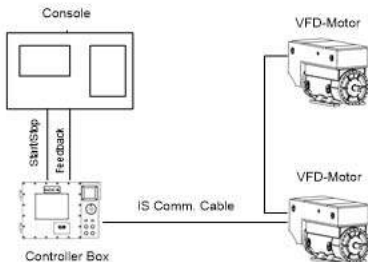


Fig. 6 Control System

6.3 Control Cable Selection and Use

It is necessary to use a twisted pair communication cable with shielding layer to ensure the reliability of the control cable. The communication cable should be with a wire diameter of no less than 1mm² and have a tensile protective coating. It is recommended to use CCS' standard communication cable.