



**SS160-EM02**  
**SUBMERSIBLE PUMP CONSOLE**

**USER MANUAL**

**V2.0 SEPTEMBER 2016**

**Contents**

**1. Summary** ..... 1

**2. Application** ..... 2

**3. Electrical Parameter** ..... 3

**4. Contact Us**..... 4

1. Summary

The SS160-EM02 submersible pump controller is the associated apparatus of SS160 smart console. It communicates with SS160. The relay in submersible pump controller works to control the submersible pump when it gets command from SS160.

*NOTE: The SS160-EM02 submersible pump controller is a standard industrial product, which must be installed in non hazardous area.*

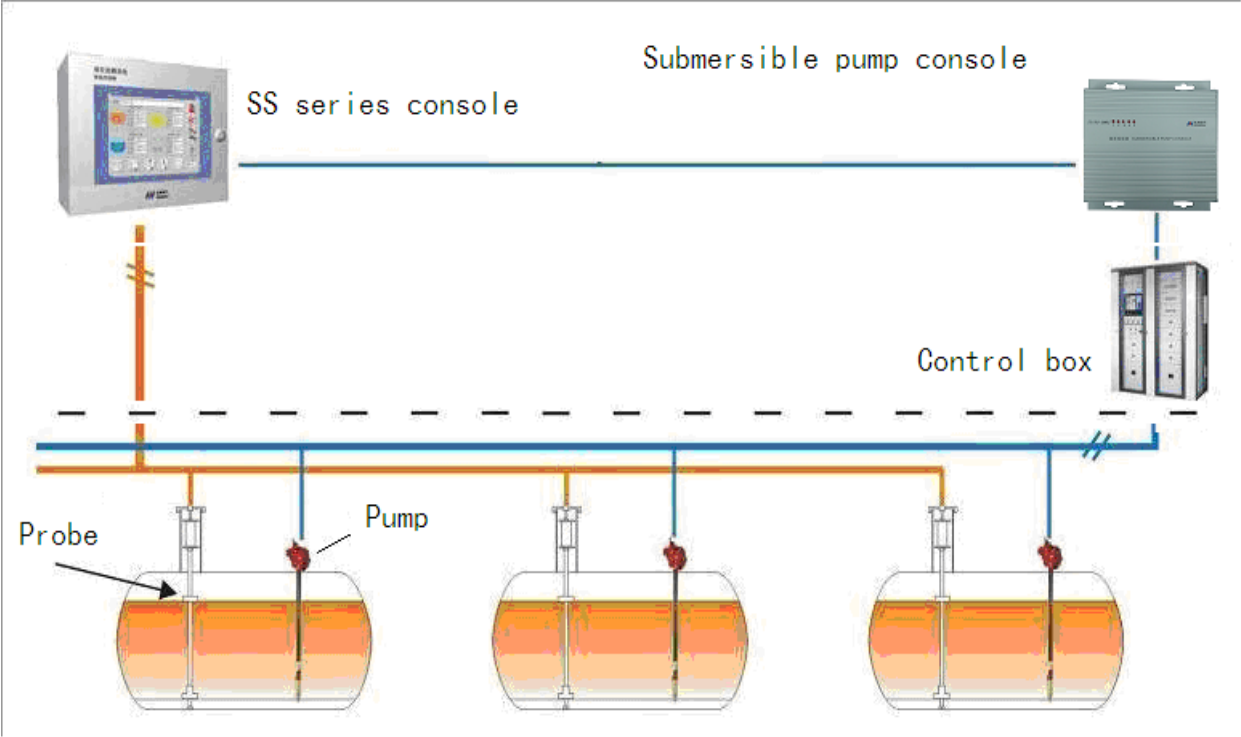


Diagram 1.

## 2. Application

At the left of SS160-EM02, there are four terminals, and they are connected to the SS160 smart console through a four core cable. Two wires are for power supply, other two are for communication RS-485. At the right of the submersible pump controller, there are 5 couples relay output ports, and each relay is normally open and normally closed contacts. There are 5 indicator lights on the SS160-EM02, when the relay works, the corresponding indicator lights on. Please see diagram 2.

This relay contact shall be connected by series wound-type to the circuit for powering submersible pump. The SS160 send commands to relay in SS160-EM02, when the oil level in tank is below the parameter of “OIL LOW LOW” in SS160 console. The circuit for supplying power to submersible pump will be short access, the pump stop working. The circuit should work again when the oil level is above the parameter of “OIL LOW LOW”.

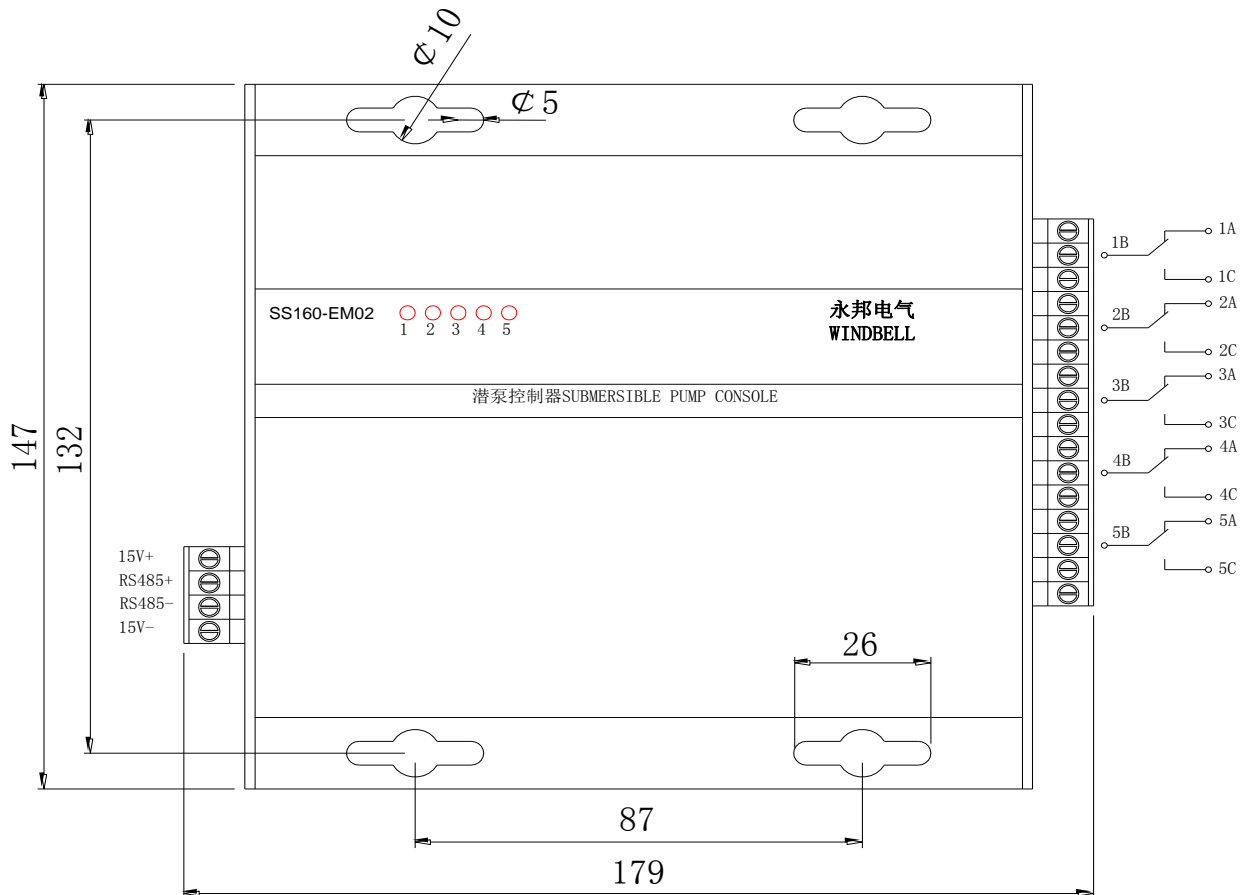
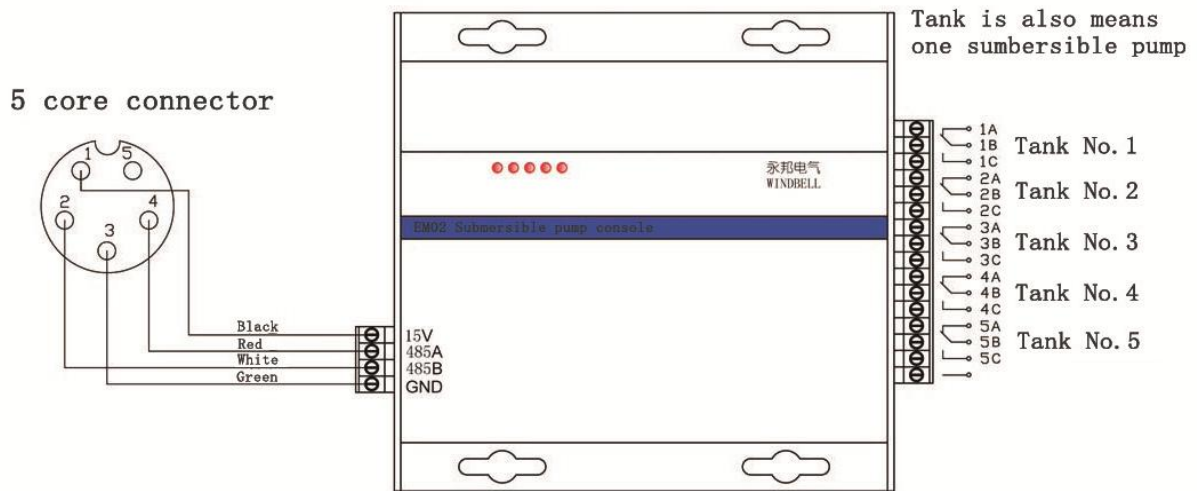


Diagram 2.

Wiring diagram



3. Electrical Parameter

PARAMETER	SPECIFICATION
Voltage Supply	DC 15V
Current Supply	50mA, MAX 300mA(all relays are working)
Communication Port	RS-485
Relay Output	5 couples (normally open & closed contacts) AC250V/3A, DC30V/3A

## **4. Contact Us**

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