JD2A-40/90 Electromagnetic speed regulating motor controller Operating instruction

Before using this product, please read the instruction carefully for correct use and keep it for reference at any time.

Operation attention

The instrument can be cleaned after power failure.

Remove stains on the monitor with a soft cloth or cotton paper.

Monitor is easy to be scratched, do not wipe or touch with hard objects.

It is forbidden to operate the panel keys with hard objects such as screwdriver or writing pen, otherwise the keys will be damaged or scratched.

1. Summary

JD2A series electromagnetic speed regulating motor controller is based on the national joint (unified) design products of the Ministry of machinery industry, with microprocessor as the core, using intelligent PI adjustment algorithm, to achieve constant torque stepless speed regulationIt adopts the technology of detecting the pulse frequency of the tachometer generator and digital control and display, with high precision of speed control and clear display.Adopt smooth and non-overshoot soft start and slip clutch blocking protection function design technology,It can effectively reduce the failure rate of the controller and the system, and can save power by 10 ~ 30% for the load control of fans and pumps, bringing remarkable energy saving effect.

1. Main Technical Indicators

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| Model | JD2A-11 | JD2A-40 | JD2A-90 |
| Supply voltage | 220VAC±10% 50/60Hz | | |
| Maximum output | 90VDC 3A | 90VDC 5A | 90VDC 8A |
| Available with motor power | 0.55~11kW | 15~40kW | 45~90kW |
| Tachometer generator | Three-phase AC voltage output,peak≥5V（100rpm） | | |
| Setting precision | ≤0.5% | | |
| Control precision | 1rpm | | |
| Speed regulation range | The factory calibration is 100~1350rpm, the maximum speed can be adjusted according to the actual speed. | | |

1. Installation

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| 2.1 Matters needing attention | Excessive dust, salt, or metal powder; |
| Meters are installed in the following environments: | Where direct sunlight and heat radiation accumulate. |
| Atmospheric pressure：86~106KPa； | 2.2 Installation procedure |
| Environment temperature：0~50℃；  Relative humidity：45~85RH%.  Pay attention to the following conditions | 1. Punch rectangular square holes on the disk surface to install the meter according to the disk surface opening size. |
| during installation: | (2) The instrument is inserted into the |
| Precipitous changes in ambient  temperature may cause condensation; | opening of the disk surface;  (3) The installation bracket is inserted into |
| Corrosive and flammable gases; Smoke or  steam pollution;Direct vibration, or impact the main structure; | the instrument installation slot;   1. Push the mounting bracket tightly so that the instrument is firmly attached to the disk surface and tighten the screw. |
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2.3 Size

Speed display



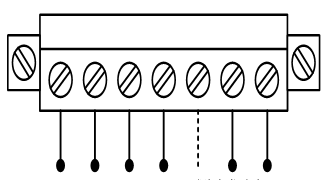
Speed setting

Power switch

Fuse

Feedback regulation

2.4Wiring terminal (plug type)



Power supply Output Tachometer generator

220VAC 0-90VDC （Connect any 2 wires）

1. Maintenance and preservation

Instrument from the date of billing within 18 months, because of manufacturing quality failure by the factory is responsible for comprehensive maintenance, because of improper use and damage caused by the factory to charge the cost of repair, our factory instrument lifelong maintenance.

The meter should be stored in a well-packed place with dry ventilation and no corrosive gas.

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