

Contact Details

Before using the product, please check the guide pages at the front of this catalog.

Internet

<http://www.daikinpmc.com/en/>

For latest information, PDF catalogs and operation manuals

Minor Loop Control Driver (for SEM)



Features

- Optimize the control of minor feedback control type SEM valves by detecting the spool position with a differential transformer.
- The constant current characteristics suppress the power supply voltage fluctuation, and the output current fluctuation due to temperature rise of the solenoid, to almost zero.

Nomenclature

KSV-2 - 10

1

2

1 Model No.

KSV-2: Minor loop control driver

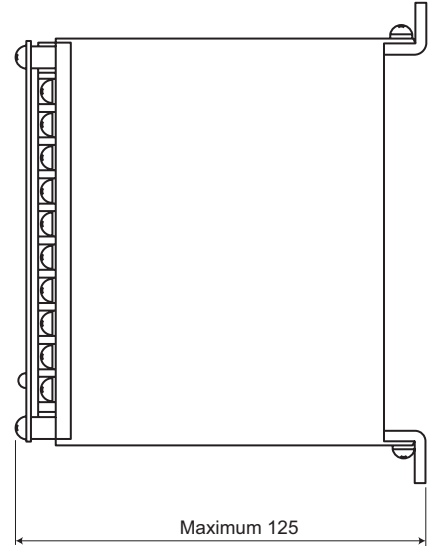
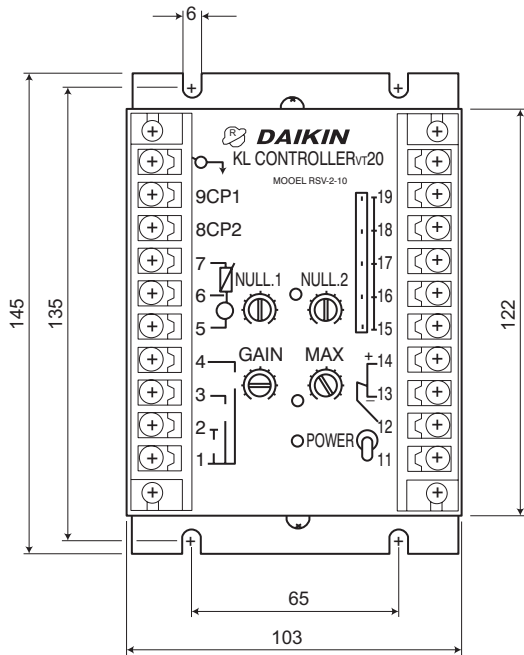
2 Design No. (The design No. is subject to change)

Specifications

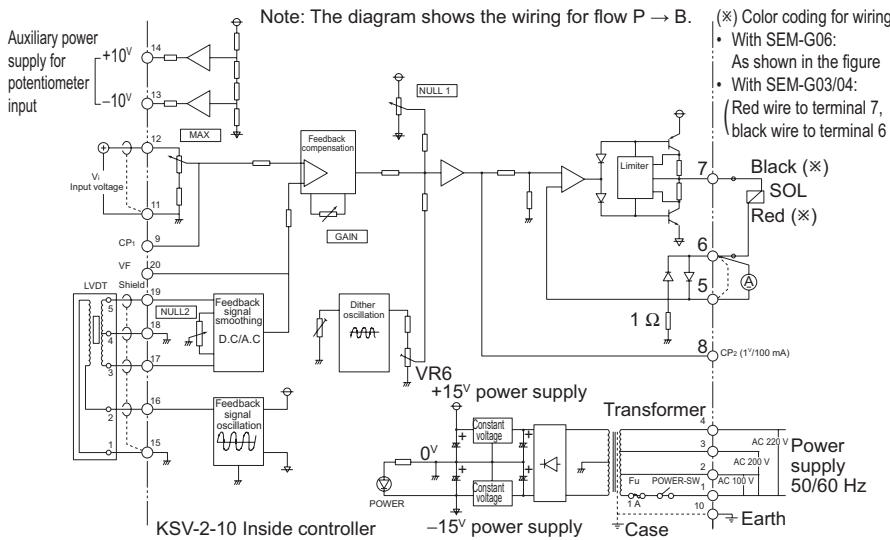
| | |
|---------------------------------|--|
| Power supply voltage | AC 100, 200, 220 V (Common for 50 and 60 Hz) |
| Permissible voltage fluctuation | -10 to +10% |
| Applied load | Torque motor coil for SEM-G×× |
| Command input | DC 0 to ±10 V or 5 to 10 kΩ potentiometer |
| Output current | 0 to ±280 mA |
| Power consumption | 20 W maximum |
| Input impedance | 16 kΩ |
| Dither | Factory adjusted |
| Operating ambient temperature | 0 to 55°C |
| Operating ambient humidity | 25 to 90%RH |
| Mass | 2 kg |

External dimension diagram

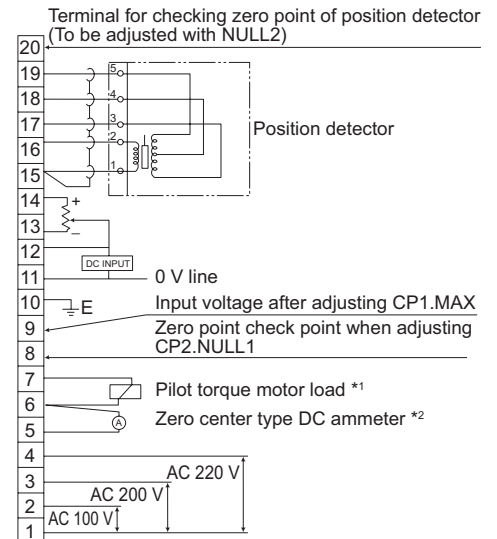
KSV-02-10



Circuit configuration diagram



Wiring diagram



Note: *1 Use the connector provided with the product for wiring to the pilot valve.

Wiring guide

- With G06:
Red lead wire to terminal 6
Black lead wire to terminal 7
Connect the wires as shown above.

- With G03/04:
Black lead wire to terminal 6
Red lead wire to terminal 7
Connect the wires as shown above.
If the wires are connected the wrong way round, the minor feedback control will not function.

*2 Short terminals 5 and 6 when not connecting an ammeter.