DC induction switch GD200K User Manual

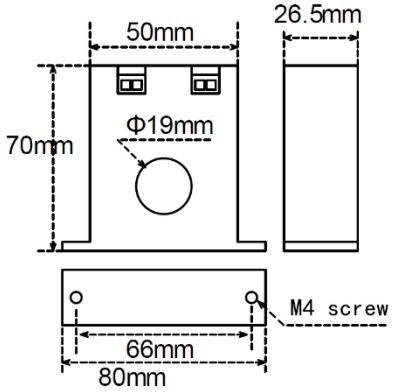
DESCRIPTION

The current sensing switch GD200K is a DC switch sensor with either NO or NC options.

Technical feature

Trigger current range：1.0A~150A / DC
Trigger switching time：≤0.2 second
Overload current capacity：≥100% @ 150A
Switch contact capacity：MAX：0.5A@240V AC/DC
Switch to power withstand voltage：≥ 2KV AC
Inspection hole diameter：19.5 mm
Product size：H×W1/W2×T
= 70×50/80×26.5 mm
Installation method：Screw installation
Shell material：fireproof ABS 94V-0
Operate temperature：-30℃~55℃
Storage temperature：-40℃~65℃
IP degree：IP30

Product Dimensional Drawing

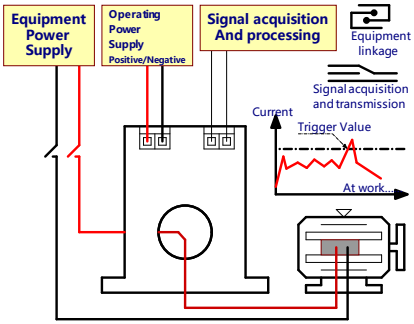


Installation and Application

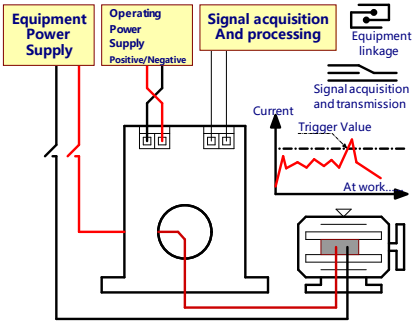
1、Fix the product in place with M4 screws and thread the current wire through the middle detection hole. Pay attention to the positive and negative directions of the detected current and do not install it in the opposite direction.
2、Connect the working power supply and output switch quantity to the signal procurement equipment.
2.1、NO connection method: the positive pole of the power supply is connected to PV, and the negative pole is connected to NV;
2.2、NC connection method: The positive pole of the power supply is connected to NV, and the negative pole is connected to PV.
3、Taking the normally open type as an example for explanation.
3.1、Overcurrent setting, connect the current value that needs to be monitored and detected. If the green light is on, it indicates that the current value is below the threshold. Turn CS counterclockwise to turn the green light to red light; Connect the current value that needs to be monitored and detected. If the red light is on, it indicates that the current value is already above the threshold. Turn CS clockwise to turn the red light to green light, and then turn CS counterclockwise to turn the green light to red light.
3.2、Under current setting, on the basis of over current, adjust CS clockwise to turn the red light to green light.
4、After setting, the threshold for switching from normally open to normally closed remains unchanged.
5、The red light on switch contacts are closed; The green light on switch contact is open.

Typical Application

NO Connection Method:



NC connection method



Tips

1、When it comes to electricity safety, it should be operated by personnel who hold an electrician's certificate or relevant technical personnel or have been trained and qualified.
2、If you have any questions during use, please contact the service personnel for answers. Do not disassemble or repair on your own.