

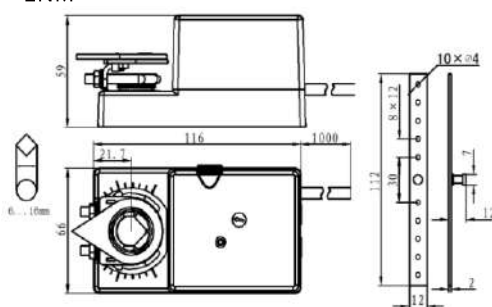
# LFZ

## Standard rotary Actuator

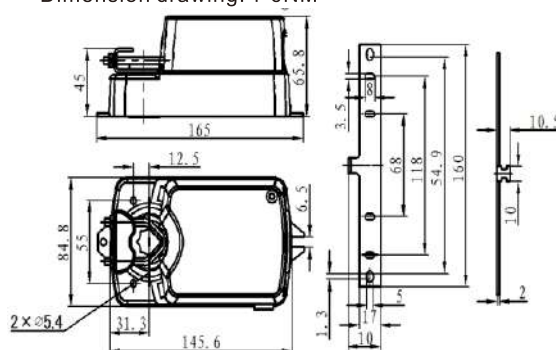


LFZSeries electric damper actuator adopts imported DC motor/brushless motor to supply power energy, And it can offer 2NM~40NM torque, it can directly works on rotary control of air system and water systems,and can realize signal control of voltage 0(2)-10V and current 0(4)-20mA and MODBUSRS485 ,also can provide mutual convertible current or voltage signal feedback ,It is easy to install and can be easily fixed on the square shaft, round shaft or other shaped damper shaft,This product has advantage of long life, low noise, and multi-functional intelligent control.The whole series of products are available with manualoperation function. The protection grade of the product is IP54, and it's stable and efficient, with full overload protection function. All products are equipped with manual limit.

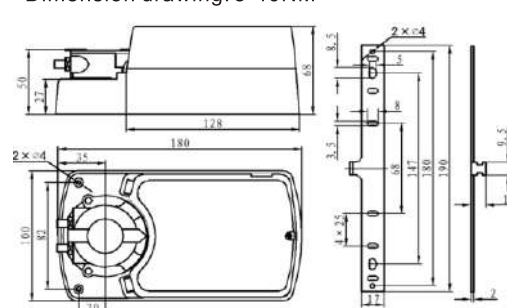
2NM



Dimension drawing: 4-6NM



Dimension drawing: 8-40NM



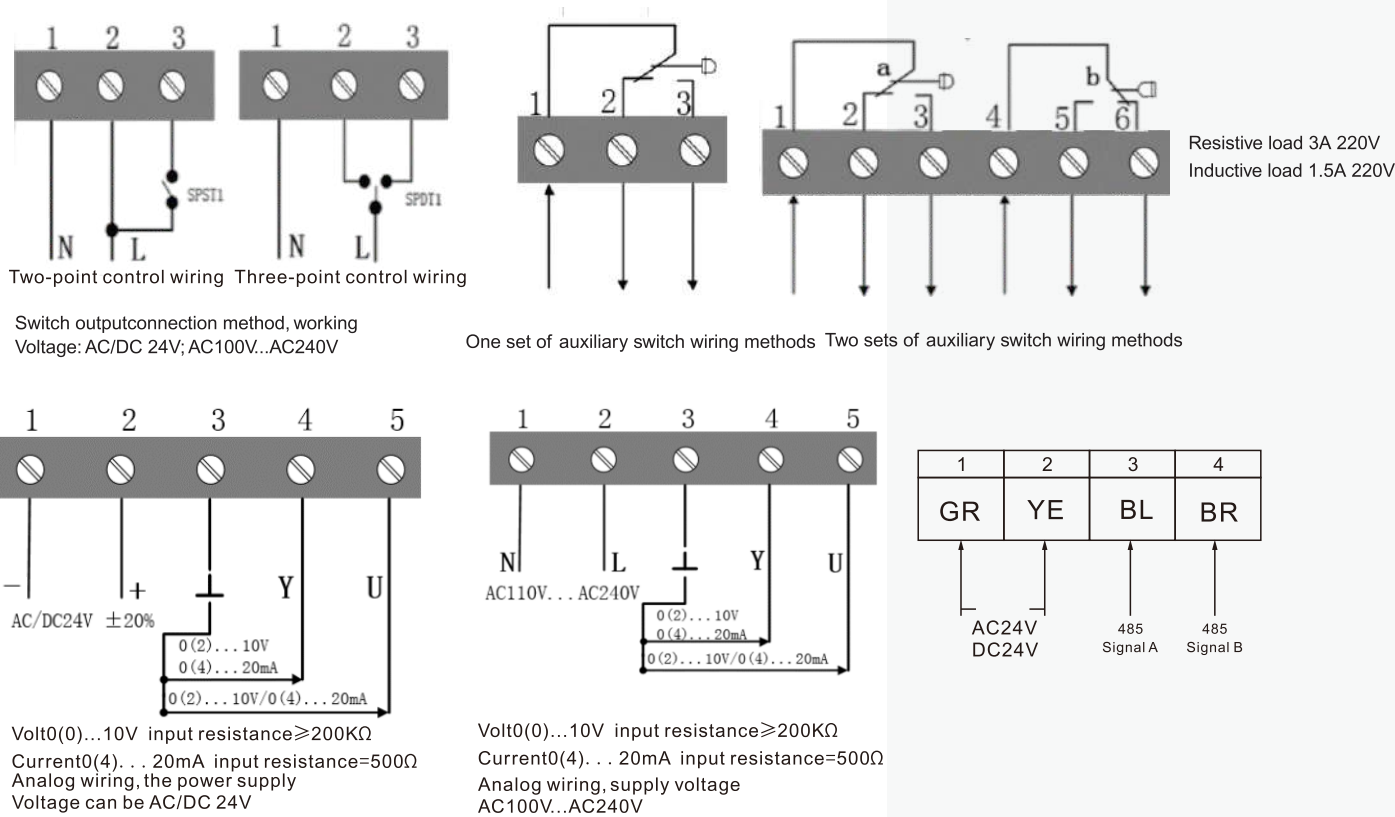
Dimension in : mm

| Model            | Output Torque | Power Supply | Running Time | Control Signal           | Optional F auxiliary switch    |
|------------------|---------------|--------------|--------------|--------------------------|--------------------------------|
| LFZ0224/230-K/KF | 2N            | 24V/230V     | 20-25S       | ON-OFF control           | One set of auxiliary switches  |
| LFZ0224/230-M/MF | 2N            | 24V/230V     | 20-25S       | 0(2)~10V/0(4)~20mA/RS485 | One set of auxiliary switches  |
| LFZ0424/230-K/KF | 4N            | 24V/230V     | 25-30S       | ON-OFF control           | Two sets of auxiliary switches |
| LFZ0424/230-M/MF | 4N            | 24V/230V     | 25-30S       | 0(2)~10V/0(4)~20mA/RS485 | Two sets of auxiliary switches |
| LFZ0624/230-K/KF | 6N            | 24V/230V     | 25-30S       | ON-OFF control           | Two sets of auxiliary switches |
| LFZ0624/230-M/MF | 6N            | 24V/230V     | 25-30S       | 0(2)~10V/0(4)~20mA/RS485 | Two sets of auxiliary switches |
| LFZ0824/230-K/KF | 8N            | 24V/230V     | 30-45S       | ON-OFF control           | Two sets of auxiliary switches |
| LFZ0824/230-M/MF | 8N            | 24V/230V     | 30-45S       | 0(2)~10V/0(4)~20mA/RS485 | Two sets of auxiliary switches |
| LFZ1624/230-K/KF | 16N           | 24V/230V     | 30-45S       | ON-OFF control           | Two sets of auxiliary switches |
| LFZ1624/230-M/MF | 16N           | 24V/230V     | 30-45S       | 0(2)~10V/0(4)~20mA/RS485 | Two sets of auxiliary switches |
| LFZ2424/230-K/KF | 24N           | 24V/230V     | 120-160S     | ON-OFF control           | Two sets of auxiliary switches |
| LFZ2424/230-M/MF | 24N           | 24V/230V     | 120-160S     | 0(2)~10V/0(4)~20mA/RS485 | Two sets of auxiliary switches |
| LFZ3224/230-K/KF | 32N           | 24V/230V     | 160-200S     | ON-OFF control           | Two sets of auxiliary switches |
| LFZ3224/230-M/MF | 32N           | 24V/230V     | 160-200S     | 0(2)~10V/0(4)~20mA/RS485 | Two sets of auxiliary switches |
| LFZ4024/230-K/KF | 40N           | 24V/230V     | 200-220S     | ON-OFF control           | Two sets of auxiliary switches |
| LFZ4024/230-M/MF | 40N           | 24V/230V     | 200-220S     | 0(2)~10V/0(4)~20mA/RS485 | Two sets of auxiliary switches |

Specification

| General               |                                 | Value                                                                              |       |       |                        |       |       |       |
|-----------------------|---------------------------------|------------------------------------------------------------------------------------|-------|-------|------------------------|-------|-------|-------|
| Electrical parameters | Rated voltage                   | AC24V 50/60Hz DC24V /AC100...240V 50/60Hz                                          |       |       |                        |       |       |       |
|                       | Rated voltage range             | AC/DC19.2...28.8V /AC85...265V                                                     |       |       |                        |       |       |       |
|                       | Power consumption               | Operating state 4.5w,Standby state 0.5W                                            |       |       |                        |       |       |       |
|                       | Wire specification              | 0.5mm²                                                                             |       |       |                        |       |       |       |
|                       | Terminal specification          | Max2mm²                                                                            |       |       |                        |       |       |       |
| Function parameter    | torque                          | 2Nm                                                                                | 4Nm   | 6Nm   | 8Nm                    | 16Nm  | 24Nm  | 32NM  |
|                       | suitable air door size          | 0.3m²                                                                              | 0.5m² | 0.8m² | 1.2m²                  | 2.5m² | 3.7m² | 5.2m² |
|                       | Rotation direction              | Can be selected by DIP switch                                                      |       |       |                        |       |       |       |
|                       | manual adjustment               | Actuator can be manually adjusted after pressing the gear set disengagement button |       |       |                        |       |       |       |
|                       | Nominal/Maximum Corner          | 90°/95°                                                                            |       |       |                        |       |       |       |
|                       | noise level                     | 46dBA (within 1 meter)                                                             |       |       |                        |       |       |       |
|                       | location indication             | Rotation angle provided by position indicator                                      |       |       |                        |       |       |       |
| Work Environment      | Electrical grade                | III (safety low voltage)                                                           |       |       | II (double insulation) |       |       |       |
|                       | Protection Grade                | IP54                                                                               |       |       |                        |       |       |       |
|                       | working environment temperature | -20℃～+50℃                                                                          |       |       |                        |       |       |       |
|                       | Storage ambient temperature     | -20℃～+50℃                                                                          |       |       |                        |       |       |       |
|                       | Temperature test                | 95% RH, non-condensing /EN 60730-1                                                 |       |       |                        |       |       |       |
| Dimension Drawing     | L×W×H/mm                        | detail see dimensional drawing                                                     |       |       |                        |       |       |       |
|                       | Minimum shaft length            | ≥50mm                                                                              |       |       |                        |       |       |       |
|                       | Weight                          | <1.3 Kg                                                                            |       |       |                        |       |       |       |

Wiring mode



Ordering information - KF/MF is series with auxiliary switch, please provide complete model information when ordering.