What is claimed is:

1. A downrod assembly, connected with an electric motor of a ceiling fan, and comprising:

an adapter subassembly connected with an electric motor shaft of the electric motor; and

a downrod connected with the adapter subassembly and capable of rotating with respect to the electric motor by means of the adapter subassembly, wherein the adapter subassembly comprises:

a base seat comprising a base plate and two lateral plates, wherein the base plate and the two lateral plates define a mounting groove, and the base plate is fixedly connected with the electric motor shaft; and

an adapter rotatably connected with the two lateral plates and connected with the downrod.

2. The downrod assembly according to claim 1, wherein the base seat is provided with a connecting column, the adapter is provided with a connecting hole, and a first fixing member passes through the connecting hole to be connected to the connecting column, such that the adapter is fixedly connected with the base seat.

3. The downrod assembly according to claim 2, wherein the first fixing member is configured as a first screw, the connecting column is provided with a threaded hole, and the first screw passes through the connecting hole and is screwed into the threaded hole.

4. The downrod assembly according to claim 1, wherein the base seat is provided with a positioning plate, the positioning plate is provided with a fastening screw, and the adapter is provided with a notch,

wherein the adapter is rotated to be engaged with the fastening screw through the notch, and then the fastening screw is tightened, such that the adapter is fixedly connected with the base seat.

5. The downrod assembly according to claim 2, wherein the adapter comprises a first connecting portion and a second connecting portion connected with each other, the adapter has an L shape as a whole, and the first connecting portion and the second

connecting portion are connected by a circular arc transition.

6. The downrod assembly according to claim 5, wherein the second connecting portion is configured as a casing with an open end, the connecting column is inserted into the casing, and the connecting hole is disposed in the casing.

7. The downrod assembly according to claim 1, wherein the base seat is provided with a through hole, and a wall of the through hole extends downwards to form an annular connecting plate; the electric motor shaft passes through the through hole and is connected with the two lateral plates by means of a first connecting member; and the connecting plate is connected with the electric motor shaft by means of a second fixing member.

8. The downrod assembly according to claim 7, wherein the first connecting member comprises a first plug pin and a first split pin; a first end of the first plug pin passes through a first lateral plate, a first end of the adapter, the electric motor shaft, a second end of the adapter, and a second lateral plate sequentially, and extends out of the second lateral plate; the first split pin is connected with the first end of the first plug pin and is able to interfere with the second lateral plate.

9. The downrod assembly according to claim 7, wherein the first connecting member comprises a first bolt and a first nut; a first end of the first bolt passes through a first lateral plate, a first end of the adapter, the electric motor shaft, a second end of the adapter, and a second lateral plate sequentially, and extends out of the second lateral plate; the first nut is screwed with the first bolt tightly, such that the base seat is fixedly connected with the electric motor shaft.

10. The downrod assembly according to claim 7, wherein the second fixing member is configured as a second screw; the second screw penetrates from a first end of the connecting plate and passes through the electric motor shaft to be screwed into a second end of the connecting plate.

11. The downrod assembly according to claim 1, wherein the downrod is provided with a first wire-routing hole, the adapter is provided with a second wire-routing hole, the first wire-routing hole and the second wire-routing hole define a wire-routing passage, and a wire passes through the wire-routing passage to be connected with the

electric motor.

12. The downrod assembly according to any one of claims 1 to 11, wherein one of the adapter and the downrod is provided with an internal thread, the other one thereof is provided with an external thread, and the external thread is screwed into the internal thread, such that the adapter is fixedly connected with the downrod.

13. The downrod assembly according to claim 12, wherein the adapter is connected with the downrod by means of a second connecting member.

14. The downrod assembly according to claim 13, wherein the second connecting member comprises a second plug pin and a second split pin; a first end of the second plug pin penetrates from a first end of the adapter, passes through the downrod, and extends out of a second end of the adapter; the second split pin is connected with the first end of the second plug pin and is able to interfere with the adapter.

15. The downrod assembly according to claim 13, wherein the second connecting member comprises a second bolt and a second nut; a first end of the second bolt penetrates from a first end of the adapter, passes through the downrod, and extends out of a second end of the adapter; the second nut is screwed with the second bolt tightly, such that the downrod is fixedly connected with the adapter.

16. A ceiling fan comprising:

an electric motor; and

a downrod assembly according to any one of claims 1 to 15, connected with an electric motor shaft of an electric motor.