

KC868-D8 Dimmer Controller Use Manual And Protocol

1. Manual control and wireless remoter control (by the same work way) :

A. Manual control switch for dimmer, 16 ports for input, every 2 ports are brightness+ and brightness- for every channel dimmer.

For example:

Press and hold key 1 of the first dimming lamp, the brightness will increase and gradually increase to the brightest state. Record the current brightness status after you remove hand.

Press and hold key 2 of the first dimming lamp, the brightness will decrease, and gradually reduce to the darkest (off state) state. Record the current brightness status after you remove hand.

Other channel lamp is the same.

If you press the on key (normal speed of the on / off key) manually and quickly, you can turn on the light and turn off the light. (the brightness of the on light is the brightness before turning off the light)

For example:

quickly press the "brightness increase" button of the first way, the first way light is on (the brightness of the light is the brightness before turning off); quickly press the "brightness decrease" button of the first way, the first way light is off;

Quickly press the "brightness increase" button of the second way, the second way light is on (the brightness of the light is the brightness before turning off); quickly press the "brightness decrease" button of the second way, the second way light is off;

Other channel lamp is the same.

B. Remoter control dimming, 16 key wireless remoter, a total of 16 keys, each two keys to "brightness increase", "brightness decrease" function, press and hold the key, it will continue to change slowly.

For example:

if key 1 is pressed and held, output of the first channel will be continuously lightened; record the current brightness state; if key 2 is pressed and held, output of the first channel will be continuously darkened; record the current brightness state after you remove hand.

Press and hold key 3 to output the first channel and keep on lightening; record the current brightness state after you remove hand.;

press and hold key 4 to output the first channel and keep darkening; record the current brightness state after you remove hand.

Other channel lamp is the same.

C. If you press the remoter key manually and quickly (normal switch key speed), you can turn on the light and turn off the light (the brightness of the on light is the brightness before turning off the light)

For example:

Press key 1 quickly to turn on the first street lamp (the brightness of the on lamp is the brightness before turning off the lamp); press key 2 quickly to turn off the first street lamp;

Press key 3 quickly to turn on the second way lamp (the brightness of the on lamp is the brightness before turning off the lamp); press key 4 quickly to turn off the second way lamp;

Other channel lamp is the same.

2. Network Reset

Press the reset button for about 3 seconds, and the controller will automatically return to the following working mode:

IP:192.168.1.200

Port: 4196

Work Mode: TCP Server

3. Ethernet Protocol

A. Read dimmer brightness status: 0-99% Darkest is 0%, brightest is 99%

e.g. Send DIMMER-READ-1 1 is channel-1

Receive DIMMER-READ-1,53,OK if failure, feedback for ERROR

B. Output dimmer brightness:0-99%

e. g. Send DIMMER-SEND-1,53 1 is channel-1,53 is brightness

Receive DIMMER-SEND-1,53,OK if failure, feedback for ERROR

C. Read all dimmer at the same time: 0-99%

e. g. Send DIMMER-READ-ALL

Receive DIMMER-READ-ALL, 50, 51, 52, 53, 54, 55, 56, 57, OK 8 numbers is 8 channel brightness status value
if failure, feedback for ERROR

D. Output all channel dimmer brightness at the same time: 0-99%

e. g. Send DIMMER-SEND-ALL, 50, 51, 52, 53, 54, 55, 56, 57, 58 8 numbers is 8 channel brightness value to control

Receive DIMMER-SEND-ALL, 50, 51, 52, 53, 54, 55, 56, 57, 58, OK if failure, feedback for ERROR

4. RS485 Protocol

A. Set controller's RS485 ID (must set ID before use RS485)

e.g. Send DIMMER-SEND-ID-01 Set RS485 ID=01

Receive DIMMER-SEND-ID-01,OK

if failure, feedback for ERROR

B. Read dimmer brightness status: 00-99%

e.g. Send DIMMER-READ-01-1 01 is RS485 ID, 1 is channel-1

Receive DIMMER-READ-01-1,53,OK

if failure, feedback : DIMMER-READ-01-1-ERROR

C. Output dimmer brightness:00-99%

e.g. Send DIMMER-SEND-01-1,53

01 is RS485 ID, 1 is channel-1, 53 is brightness

Receive DIMMER-SEND-01-1,53,OK if failure, feedback for ERROR

D. Read all dimmer at the same time: 00-99%

e.g. Send DIMMER-READ-01-ALL 01 is RS485 ID

Receive DIMMER-READ-01-ALL,50,51,52,53,54,55,56,57,OK 8 numbers is 8 channel brightness status value if failure will Receive DIMMER-READ-01-ALL -ERROR

D.Output all channel dimmer brightness at the same time: 00-99%

e.g. Send DIMMER-SEND-01-ALL,50,51,52,53,54,55,56,57,58 8 numbers is 8 channel brightness value to control

Receive DIMMER-SEND-01-ALL,50,51,52,53,54,55,56,57,58,OK

if failure, feedback for ERROR

E. Read CPU ID

e.g. Send READ-01-ID 01 is RS485 ID

Receive ID:xxxxxxxxxxxxxxxxxxxx

F. Read controller's RS485 ID by RS485 port

e.g. Send DIMMER-READ-ID

Receive DIMMER-READ-ID-01,OK

if failure, feedback DIMMER-READ-ID-ERROR