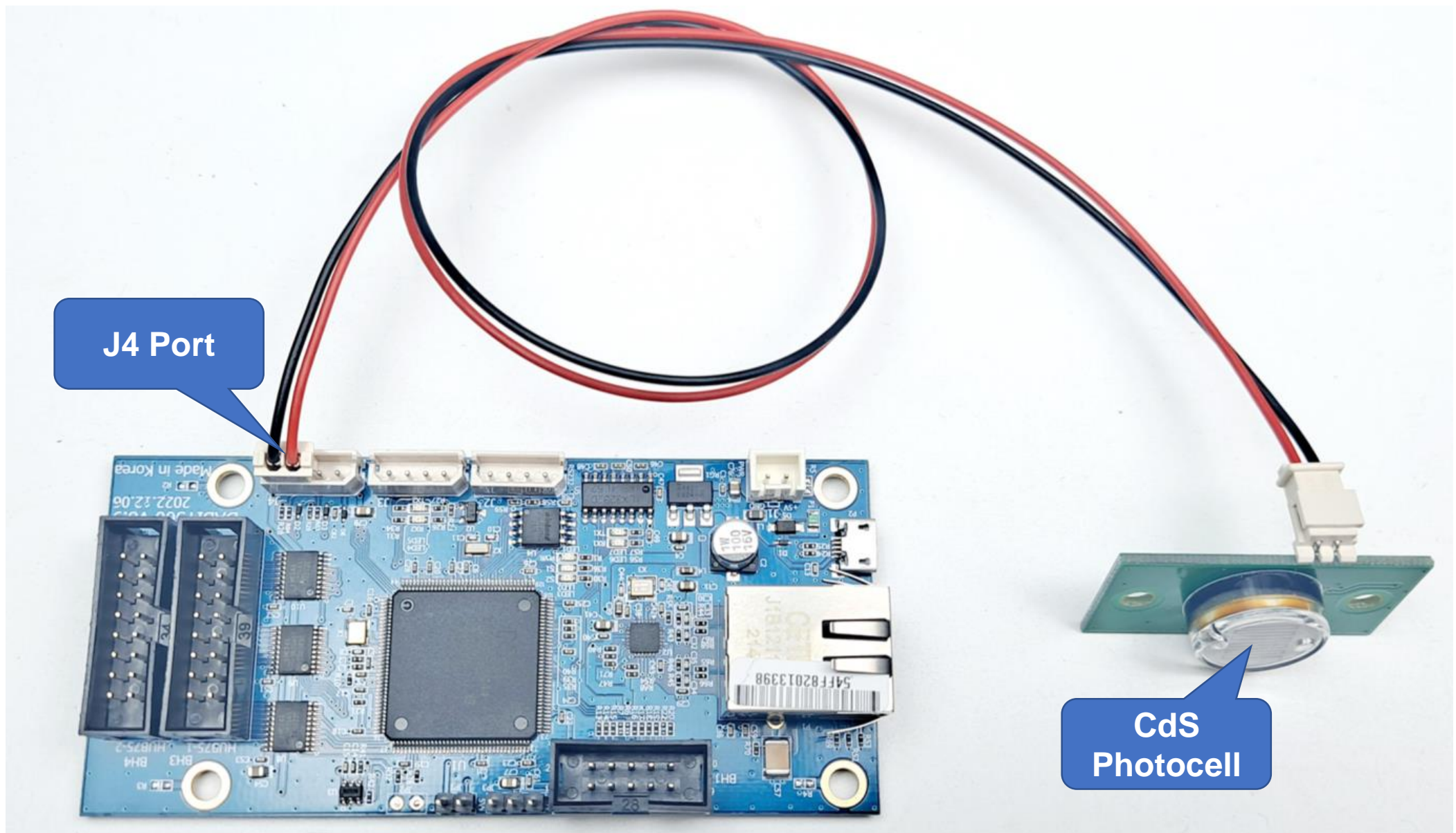


How to Use LMD CdS Sensor for Auto Brightness Control

When a CdS Photocell is installed, the brightness of the LED Panel is automatically adjusted according to the ambient brightness measured by CdS within the set minimum and maximum values.

In the case of high-brightness outdoor LED signboards, installation of CDS sensors is recommended to ‘improve visibility by reducing light blur at night, reduce power consumption, and extend LED lifespan.’

The connection and setup method is the same as shown below, regardless of the controller model.



1. Hardware Setup

- 1) Connect the sensor cable connector (2 pin) to the GND side of the controller port “J4 RELAY (4 pin)”.
- 2) The CdS sensor is installed so that only the sensing part is exposed to the outside of the LED sign case, and the inside is treated with waterproofing (silicone, etc.) to prevent rainwater from penetrating.

2. Software Setup

- 1) Run [DABIT protocol simulator](#).
Then, set “J4” port function to “CDS” according to “[DABIT Simulator Manual, Attach.9-2](#)”.
- 2) Run DabitChe software
Then, set the controller and the sensor according to “Control by CdS sensor” section of “[DabitChe Manual, 6.4 Brightness Setup](#)”.

