KR02 IAQ IoT Controller

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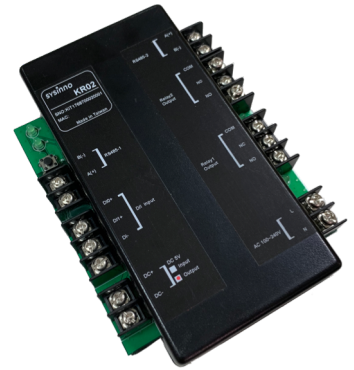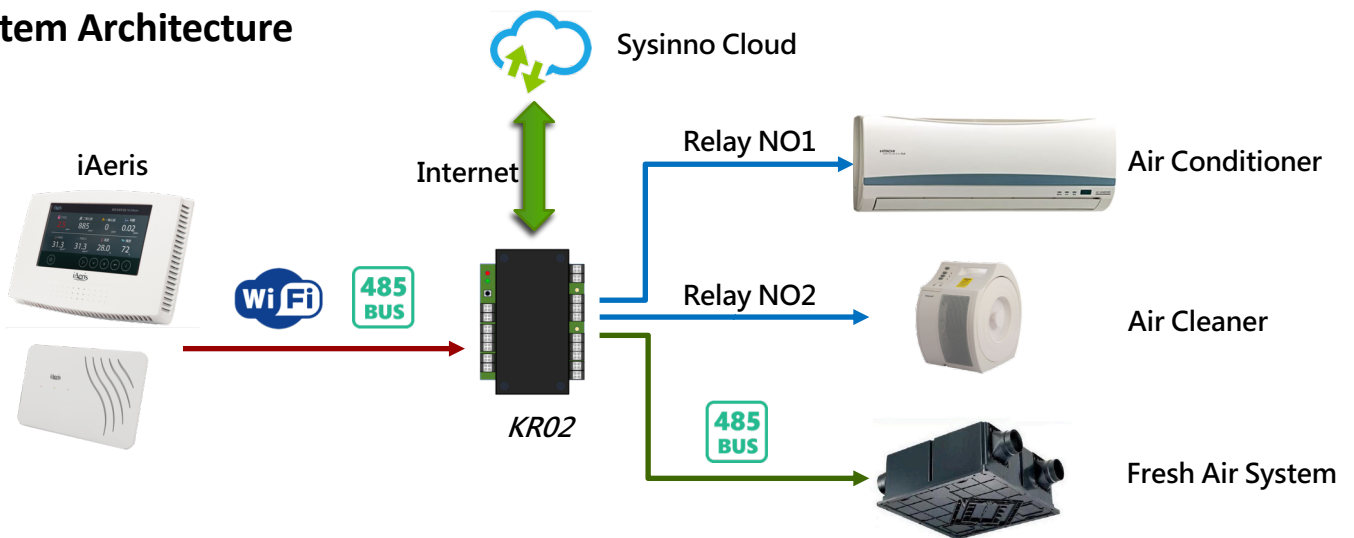## Product Summary

The KR02 IAQ IoT Controller is used for linkage control between iAeris IAQ detector and improvement system.

The Controller can be connected to iAeris through both wireless (WiFi) and wired (RS485, 2 dry contacts) connection. By Relay or RS485 network, it has control over multiple sets of improved equipment. The KR02 can perform data backup and remote control functions through the Internet to the Sysinno Cloud.

The KR02 adopts terminal block, which is easy for engineers to install and repair. Connection status LED and Relay LED can indicate the control status of improved equipment.

System Architecture

Connect Terminal

L,N	Input	AC Power Terminal : 100 - 240V AC
RS485-1	Input	RS485 A(+)、B(-)
D/I Input	Input	Dry Contact Terminal : 1st set (DI0+) 2nd set(DI1+)、COM(DI-)
RS485-2	Output	RS485 A(+)、B(-)
Relay1	Output	Relay Terminal : Normal Open(NO)、Normal Close(NC)、Common(COM)
Relay2	Output	Relay Terminal : Normal Open(NO)、Normal Close(NC)、Common(COM)
DC 5V	Input / Output	DC Power Terminal : 5V DC

Specification

Input	WiFi (option) / RS485 / Two sets of Dry Contact
Output	RS485(Modbus-RTU) / Two sets of Relay Terminal, 10A 240VAC, 10A 24VDC
Power Input	DC 5V, 1A or AC 100 - 240V ~ 50/60 Hz, 0.2A (Note1)
Power Output	DC 5V, 1A (Note2)
Operation Env.	0℃ ~ 40℃ , 20% ~ 80%
Size	135mm(L) x 93mm(W)x 35mm(H)

Note1 : DC and AC power inputs cannot exist at the same time. You must choose one of the models when purchasing.
Note2 : AC power input model is applicable