Interface module

MIM-B02

- Components

Interface module
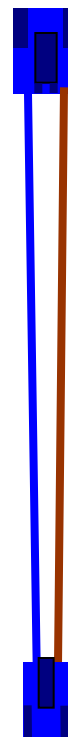
12VDC
Power cable

F1-F2
Comm. wire

Contact interface module – MIM-B02
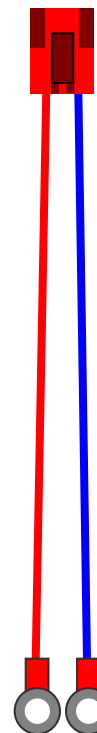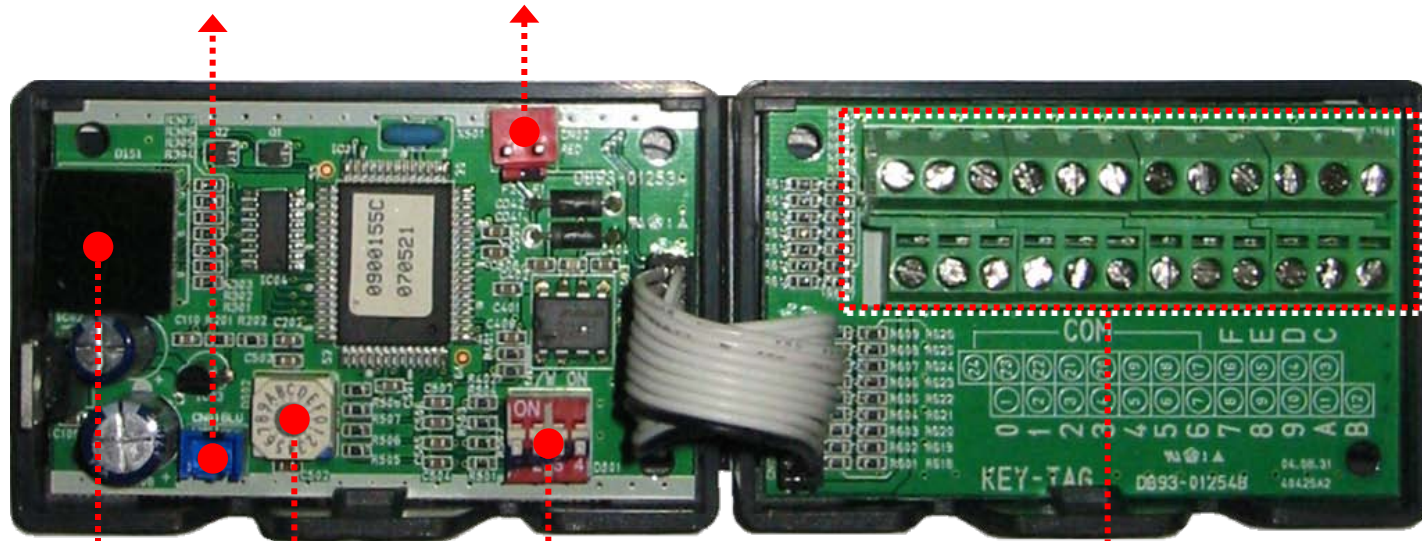
- MIM-B02

Power connector
(12VDC, from outdoor unit)

Communication connector
(F1/F2)

Address switch
(no function)

Option switch

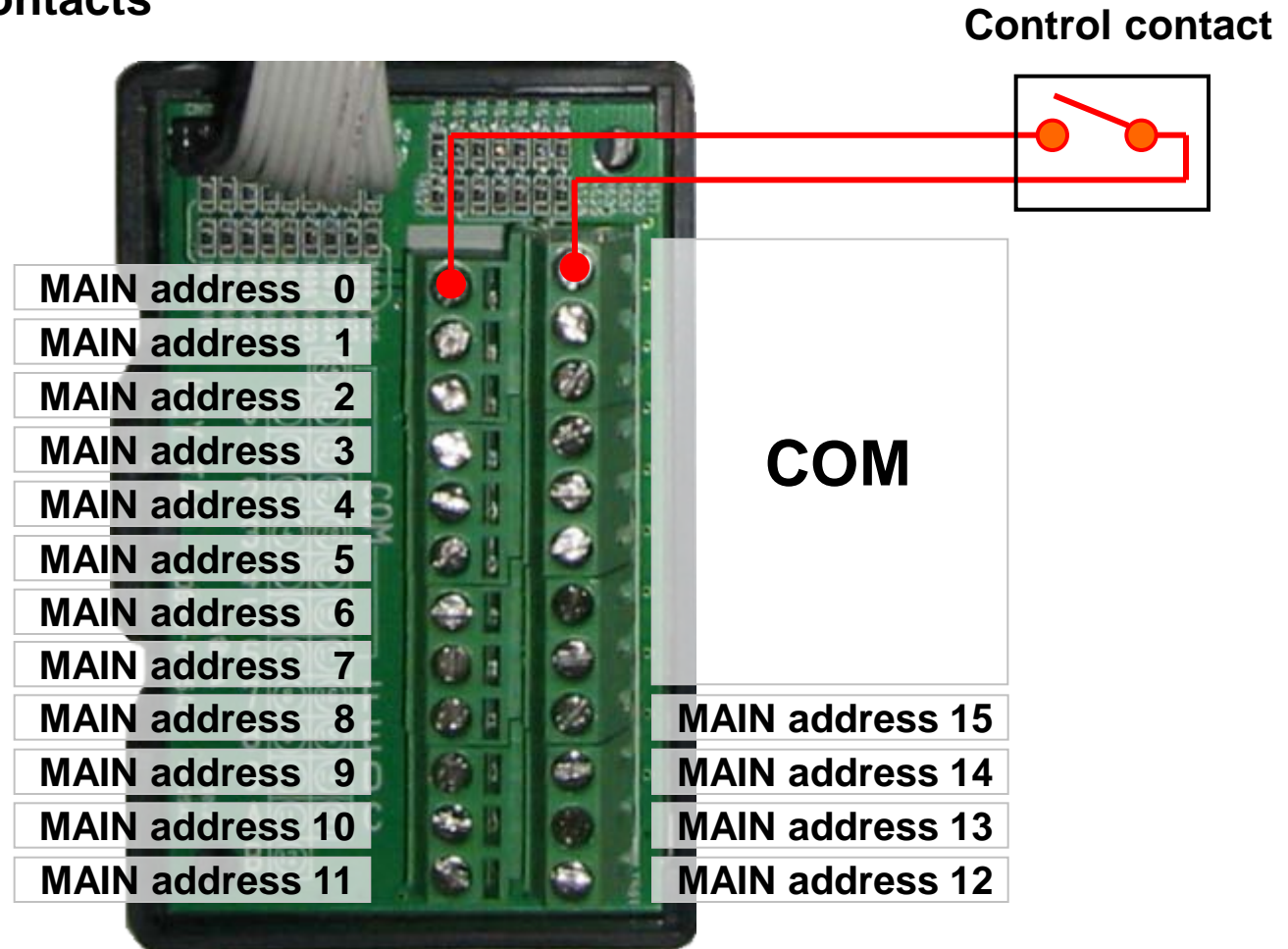Control input contacts

State display segment

Contact interface module – MIM-B02

- Dimensions

Contact interface module – MIM-B02

- Control input contacts

Control contact

MAIN address 0	
MAIN address 1	
MAIN address 2	
MAIN address 3	**COM**
MAIN address 4	
MAIN address 5	
MAIN address 6	
MAIN address 7	
MAIN address 8	MAIN address 15
MAIN address 9	MAIN address 14
MAIN address 10	MAIN address 13
MAIN address 11	MAIN address 12
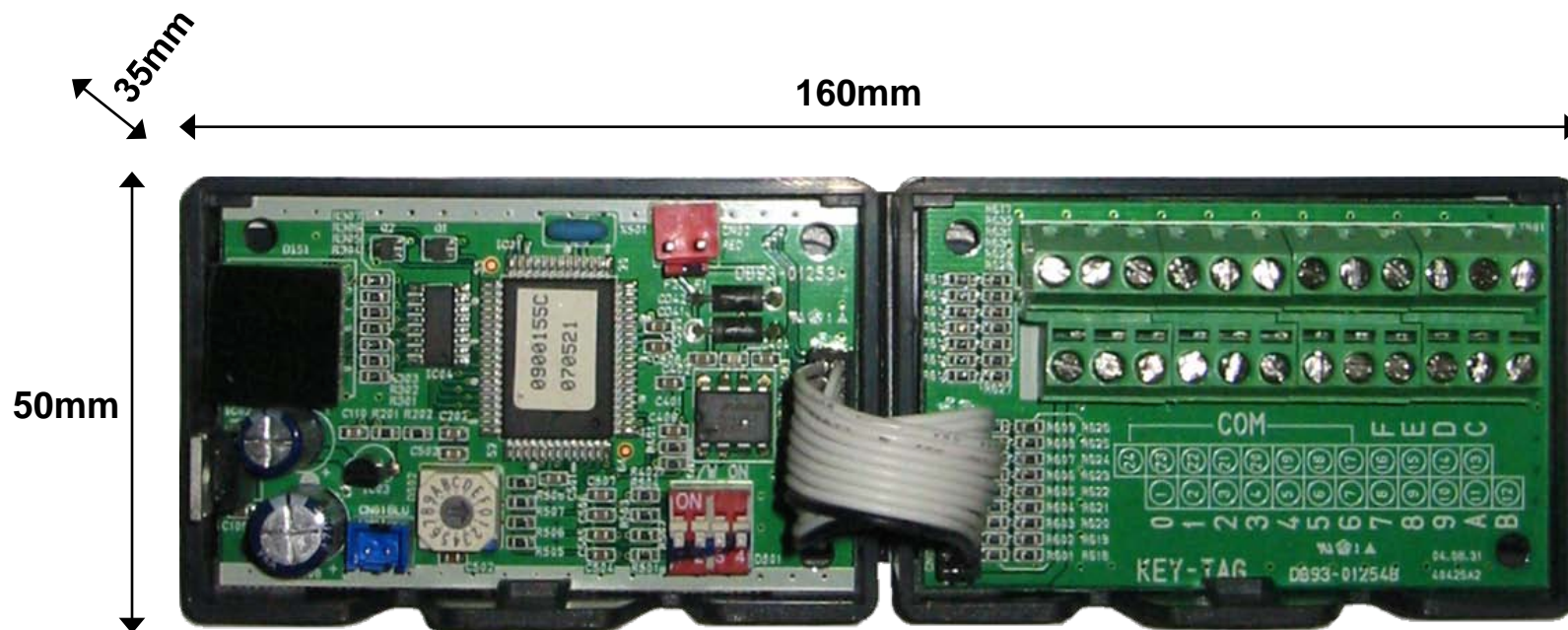
NOTE

Short-circuit MAIN address 0-COM to control the indoor unit of MAIN address 0.
Contact inputs must be no-powered. Otherwise, PCB can be damaged due to voltage contending.
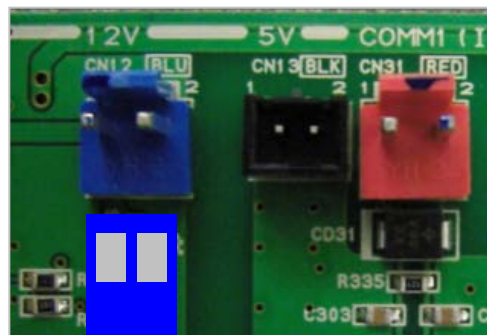

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- Installation

Interface module MIM-B02
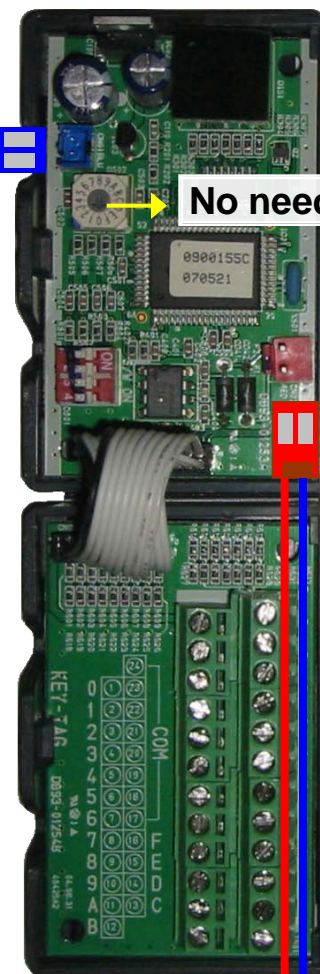
- Installation location
 : Inside outdoor unit

- Installation (DVM Plus III (HR))

DVM Plus III (HR)

Power supply

Communication

12VDC
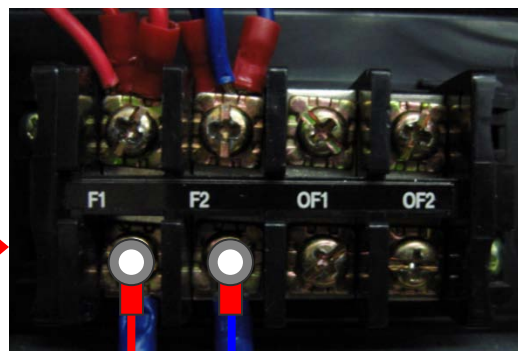
No need to set

F1-F2

NOTE : No need to connect (black) 5VDC from the outdoor unit PCB

Contact interface module – MIM-B02

- Option switch

DIP Switch			Function	DIP S/W
K1	ON	K3=ON	Contact Close → Indoor unit OFF, Wired remote control disabled Contact Open → Indoor unit OFF, Wired remote control enabled	
	OFF		Contact Open → Indoor unit OFF, Wired remote control disabled Contact Close → Indoor unit OFF, Wired remote control enabled	
	ON	K3=OFF	Contact Close → Indoor unit ON, Contact Open → Indoor unit OFF	
	OFF		Contact Close → Indoor unit OFF, Contact Open → Indoor unit ON	
K2	ON		Key-Tag I/M used only (DVM, DVM Plus, DVM Plus II, HR/HR II, FJM)	K1 K2 K3 K4
	OFF		Central I/M and Key-Tag I/M used together (DVM 8/10HP, DVM HR/HR II)	
K3	ON		OFF operation only	
	OFF		ON/OFF operation both	
K4	ON		First contact state ignored after power reset. (For indoor units supporting automatic restart)	
	OFF		Operation depending on the first contact state after power reset. (for indoor units not supporting automatic restart)	

※ K4 has no function when K3 is set to ON.

- Contact wiring length

Control contact

16 indoor units

Max. 100m

ON/OFF control of 16 indoor units at the same time
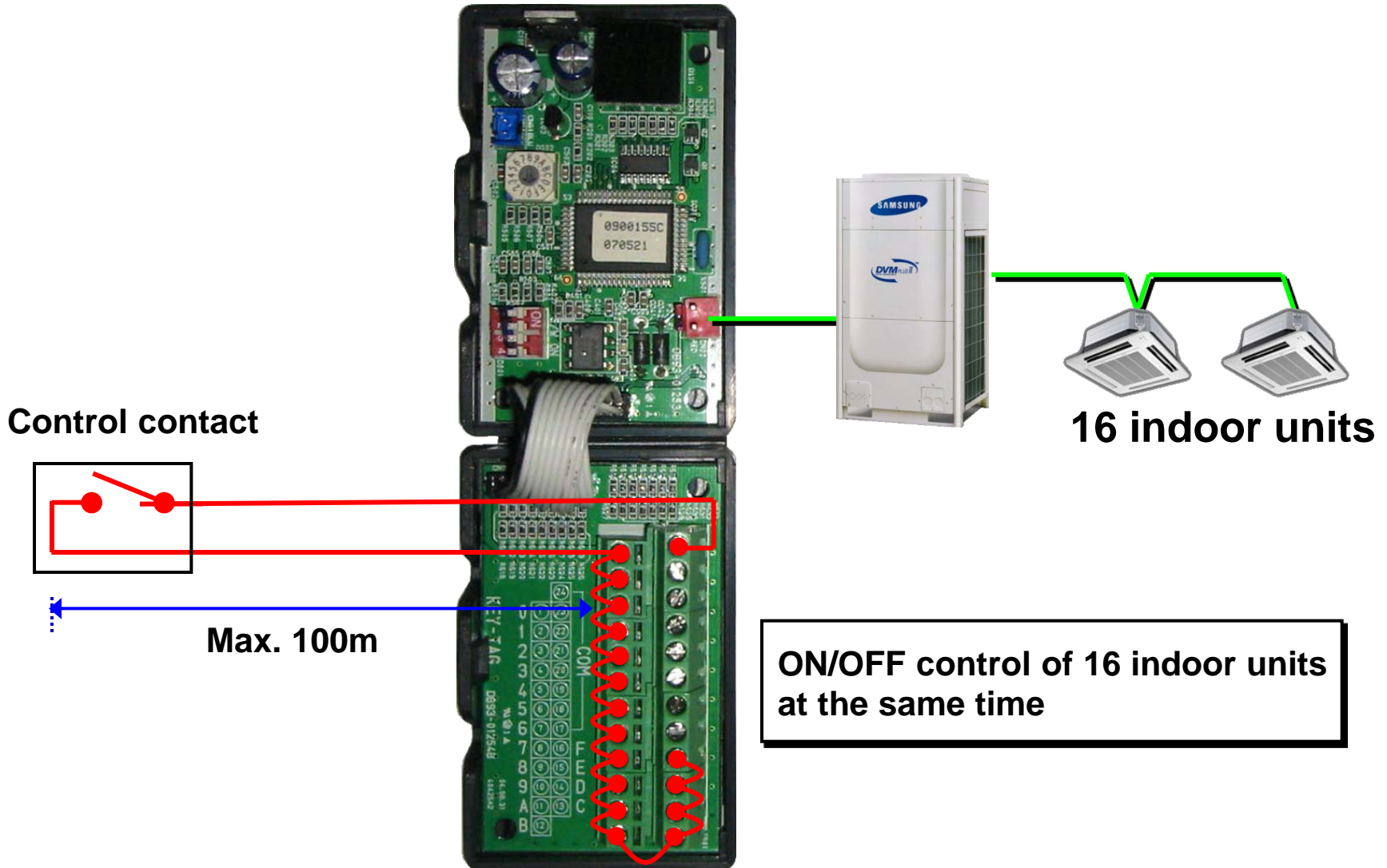
Contact interface module – MIM-B02

- State & error display

MAIN 1
RMC 5
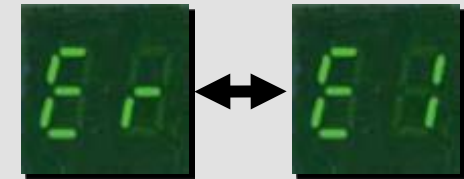K2 OFF

MAIN 2
RMC 6
K2 OFF

F1-F2 communication state (indoor/outdoor unit)
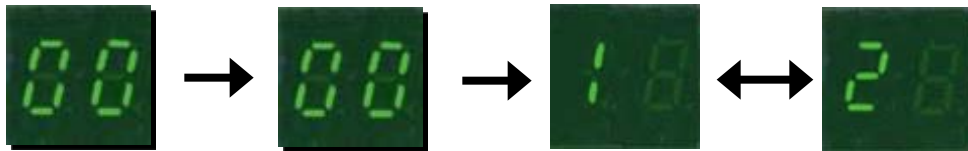
Power input · During registration · Registration completed (IDU MAIN address)

Note : No need to set K2 of indoor units to OFF for MIM-B02 control

Communication error between outdoor or at least one indoor units and MIM-B02

No communication for 3 minutes

- Operation

1. First operation by contact input after power input (No operation before)
    - Auto mode, 24ºC temperature setting, Auto fan speed, Stop airflow direction
2. Indoor unit operates in the last mode by other controllers by ON contact input.