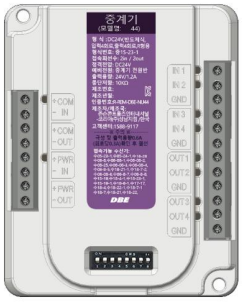
I/O Module

IO250 series

(DBE I/O Module for 250 address platform)

■ Products

250 Address Platform	
IO250-22	IO250-44
2 Input / 2 Output	4 Input / 4 Output
	
Purple sticker	

■ Approvals & Certificates

Product	KC Mark	KFI Type Approval
IO250-22	R-R-DBE-NU22-250	중22-7
IO250-44	R-R-DBE-IO250-44	중23-16

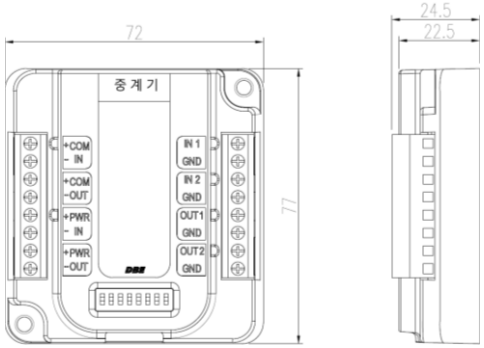
■ Key Features

- **Indicator – Input circuit status (Bi-color LED)**
  - RED color turns on when the fire signal comes on
  - Yellow color turns on when the open circuit fault comes on
- **Indicator – Output circuit status (Green LED)**
  - Green LED turns on when the output signal is generated.
- **Detecting short circuit fault of output circuit**
  - Separately detecting the short circuit of the output line for each circuit
  - Transmitting the short circuit status for each output terminal to the control panel

■ IO250-22

This IO module is a part of an addressable fire alarm system (MXK), which transmits a fire signal input from initial device such as detector and call point to the control panel or transmits an output signal of the control panel for controlling alarm bells, sirens, and flue windows.

IO250-22 has 2 inputs and 2 outputs, and it can be installed Max. 250EA per Loop based on 250 address platform.

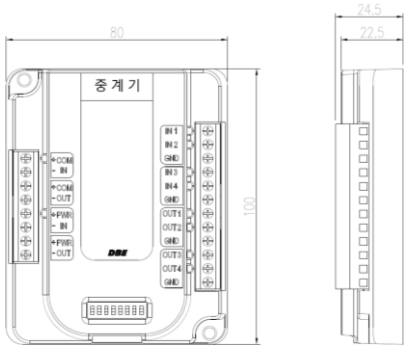


SKUs		Need to create new SKUs
Circuit		2 Inputs / 2 Outputs
Rated Input Voltage		DC24V±20%
Normal current		10.75 mA
Operating current		85 mA
Output current		0.3A per output terminal
Address setting		DIP Switch
Communication Indicator	RED LED (Top Left)	Periodically FLICKERING when the communication is normal Turn OFF when communication fault comes on
Operating indictor	GREEN LED (Bottom Left)	Turn ON when DC24V Power is normal
	Bi-color LED (Top Right)	YELLOW turns ON when open circuit fault is detected in input line RED turns ON when fire signal comes on
	GREEN LED (Bottom Right)	Turn ON when output is activated
Connectable Devices		MXK system / MXK-L250 Loop Conventional detectors and devices
Number of conventional detectors per input		ROR conventional heat detector → Max. 50 units Fixed temperature conventional heat detector → Max. 50 units Photoelectric conventional smoke detector → Max. 25 units
Environment (Temperature/Humid)		-10℃ ~ 50℃ / 0% ~ 95%
Size (mm) / Weight (g)		72W x 77H x 24.5D / Approx. 82g
Material / Color		Polycarbonate / White (Purple sticker)

■ IO250-44

This IO module is a part of an addressable fire alarm system (MXK), which transmits a fire signal input from initial device such as detector and call point to the control panel or transmits an output signal of the control panel for controlling alarm bells, sirens, and flue windows.

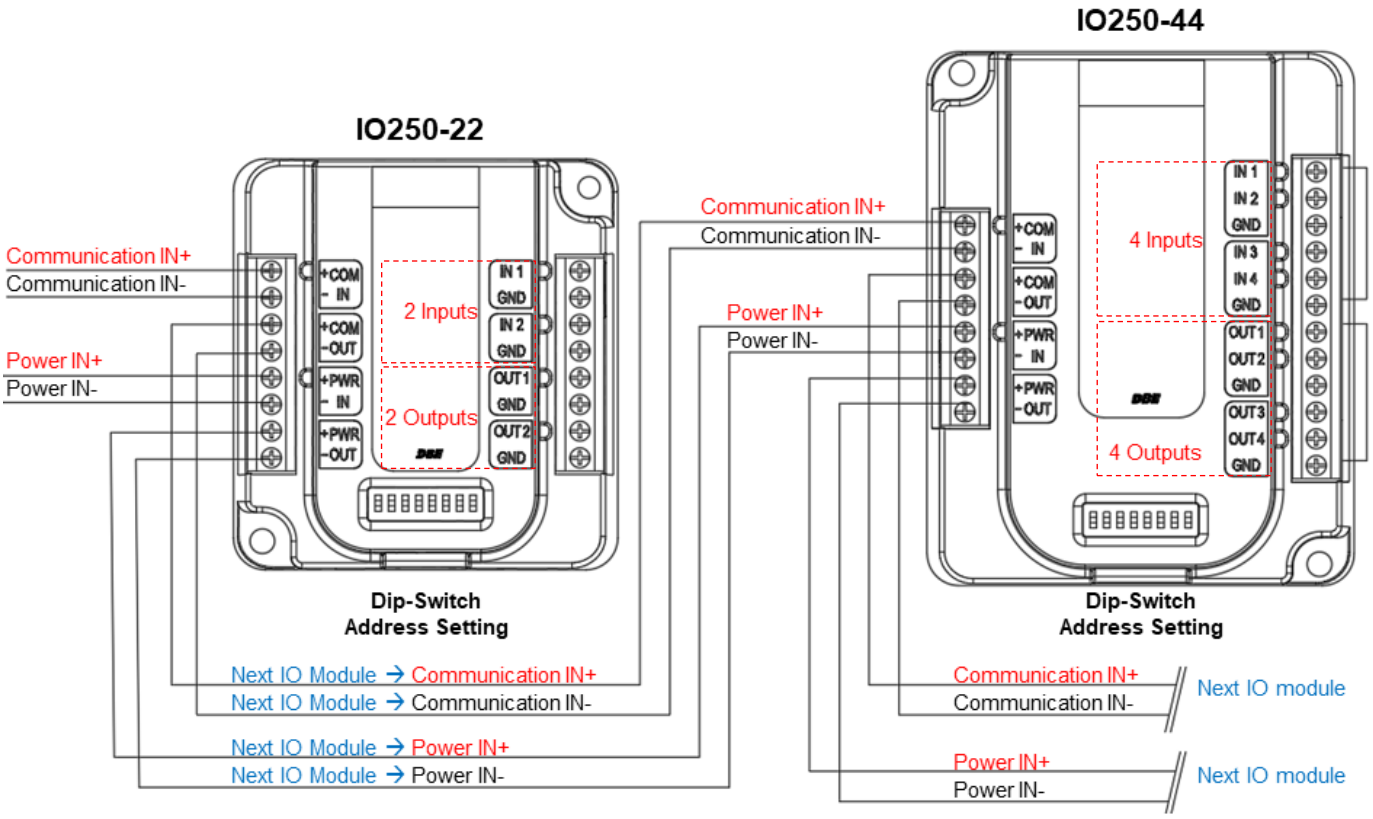
IO250-44 has 4 inputs and 4 outputs, and it can be installed Max. 250EA per Loop based on 250 address platform.



SKUs		Need to create new SKUs
Circuit		4 Inputs / 4 Outputs
Rated Input Voltage		DC24V±20%
Normal current		17.16 mA
Operating current		112.24 mA
Output current		0.3A per output terminal
Address setting		DIP Switch
Communication Indicator	RED LED (Top Left)	Periodically FLICKERING when the communication is normal Turn OFF when communication fault comes on
Operating indictor	GREEN LED (Bottom Left)	Turn ON when DC24V Power is normal
	Bi-color LED (Top Right)	YELLOW turns ON when open circuit fault is detected in input line RED turns ON when fire signal comes on
	GREEN LED (Bottom Right)	Turn ON when output is activated
Connectable System and Devices		MXK system / MXK-L250 Loop Conventional detectors and devices
Number of conventional detectors per input		ROR conventional heat detector → Max. 50 units Fixed temperature conventional heat detector → Max. 50 units Photoelectric conventional smoke detector → Max. 25 units
Environment (Temperature/Humid)		-10℃ ~ 50℃ / 0% ~ 95%
Size (mm) / Weight (g)		80W x 100H x 24.5D / Approx. 115g
Material / Color		Polycarbonate / White (Purple sticker)

■ Base Wiring information

- Engage and release all terminals with the power off.
- When installing or replacing a new repeater certified by the type regulations of NEW KFI at the site where the old repeater is installed, check the polarity of the communication line of the existing old repeater and connect it by keeping the polarity (+,-).
- If the IO module is connected without complying with the polarity (+,-), the IO module does not operate.
- 10KΩ (1/4W) for End of Line Resistor.



■ Address Setting – Dip Switch 8 pin