

# KN01M-xxx Isolate safety barrier

Switch value input/Switch value output



## ● Performance

Transmit active or passive switching signals from dangerous areas to safe areas through barriers. The output mode is relay or collector output mode, and the forward and reverse effects can be selected at the same time.

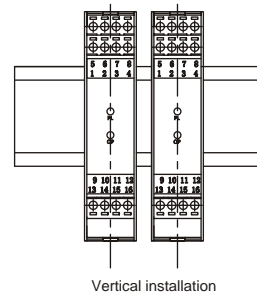
## ● Main features

Transmit accuracy  $\pm 0.2\% \times F.S$

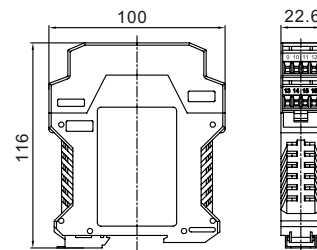
Danger area	Passive input signal is pure switch contact.
Allowable input signal	Active signal: $S_n=0$ , Current $< 0.2mA$ ; $S_n$ is infinite, current $< 3mA$ ; $S_n$ is max.sensing distance, current is 1.0-1.2mA
Safety area output signal	Relay NC(NO) contact point output, allow(Resistive)load: AC125V 0.5A, DC60V 0.3A, DC30V 1A Open collector output: Passive, outer supply : $< 40V$ DC, switch frequency $\leq 5kHz$ . Current output $\leq 60mA$ , short circuit current $< 100mA$ .
Applicable	Proximity switch, active and passive switches, dry contact (intrinsically safe pressure switch)
Power supply	DC 24V $\pm 10\%$
Power consumption	2W
Housing size	W×H×D(22.6*100.3*113.3)mm

## ● Installation

35mm Guide rail installation, please pay attention to the stable and firm position when installing. Please install it vertically as much as possible to facilitate heat dissipation inside the amplifier.



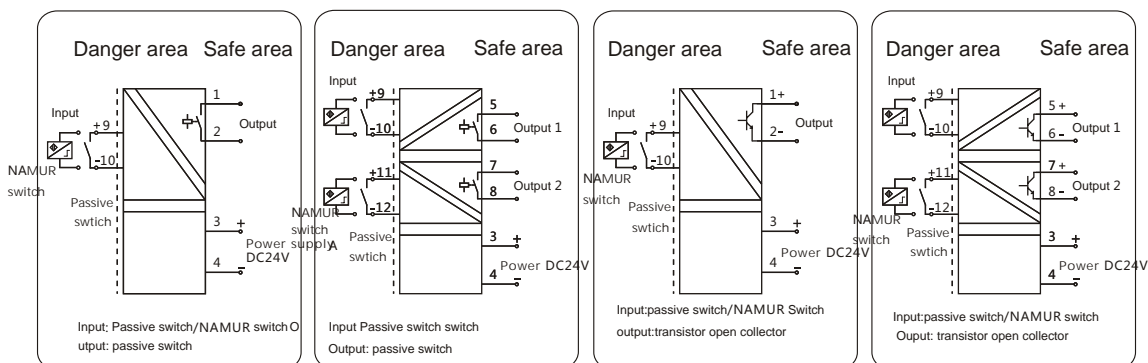
## ● Dimension



## ● Panel indicator

Amplifier works in normal condition, state indicator always on.(green) Input signal to work, state indicator change. ( red )

## ● Wiring



## ● Selection guide

Model		Explanation
KN01M	X X X	Switch value input, output
Channel	S	Signal
	D	Dual
Input	C	Passive switch input
	S	Proximity switch input ( 8.2V supply )
Output	J	Relay output
	N	Transistor collector output

Note: If there is any discrepancy between the contents of this manual and the website, samples and other materials, this manual shall prevail.