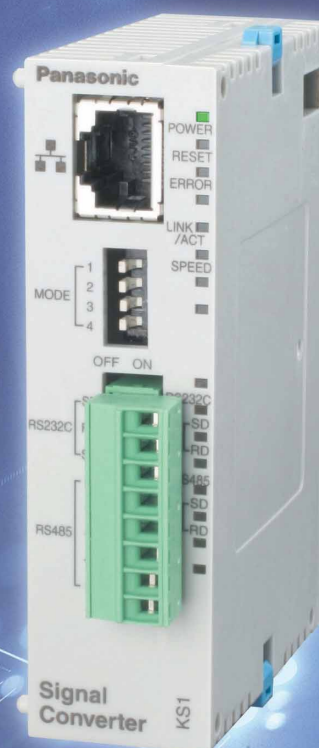
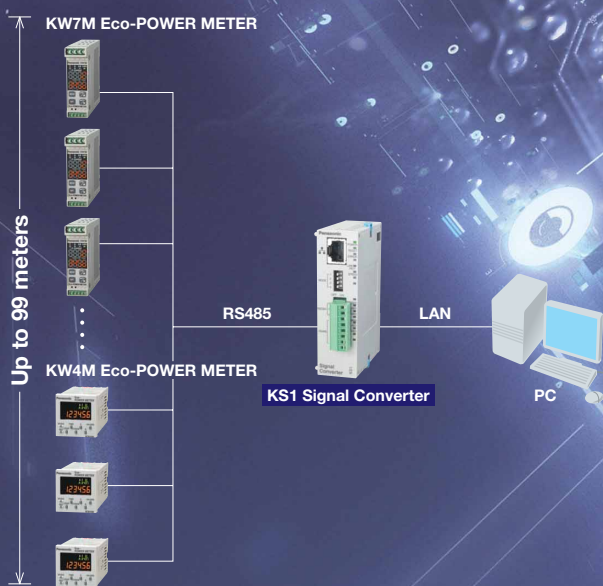


KS1 Signal Converter

RS232C/RS485 Data
can be easily
Monitored by LAN



System configurations example



Features

(1) Easy to connect

The connectors are located on the front panel.

(2) Easy to operate

- The IP address can be easily set by using the "Configurator WD Ver1,2 or more" setup software, which can be downloaded from our website (<http://www.mew.co.jp/ac/e>).
- Can be connected to the LAN without the need of switching between RS232C and RS485 signals.

(3) Easy-to-install DIN-rail-mountable type

(4) Economical

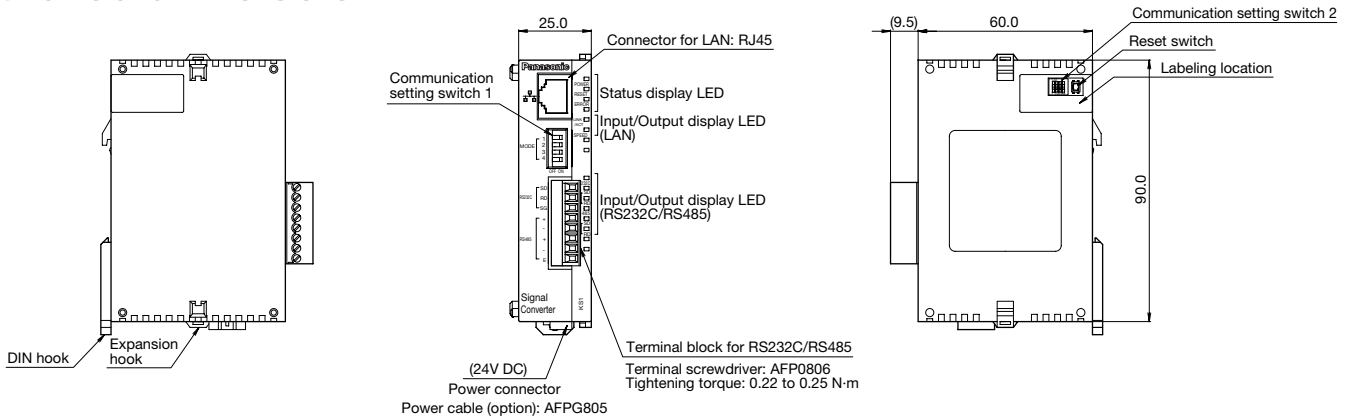
Affordable price

KS1 Signal Converter
ARCT1B286E-1 '07.10

New

KS1 Signal Converter

Part Name and Dimensions



Product Types

	Rated voltage	Signal conversion specifications	Part number
KS1 Signal Converter	24 V DC	Ethernet ⇒ RS232C/RS485	AKS1202

Specifications

General Specifications

Rated voltage	24 V DC	
Operating voltage range	90 to 110%V of rated voltage (21.6 to 26.4 V DC)	
Rush current	12 A or less	
Current consumption	200 mA or less	
Allowed momentary power off time	10 ms	
Fuse	Built-in type	
Terminal screw	M2	
Ambient temperature	0 to 55°C	
Storage temperature	-20 to +75°C	
Ambient humidity	30 to 85% RH (at 20°C, non-condensing)	
Breakdown voltage	500 V AC 1 minute	RS485 terminals ↔ Combined power and ground terminals
Insulation resistance	100 MΩ or higher (500 V DC using an insulation resistance meter)	
Vibration resistance	10 to 55 Hz, 1 cycle/min.: double amplitude of 0.75 mm, 1 hour on 3 axes	
Shock resistance	294 m/s ² or more, 5 times on 3 axes	
Dimensions	25 × 60 × 90	
Weight	Approx. 80 g	

Communication Specifications Interface: Ethernet

Interface	IEEE802.3u, 10BASE-T/100BASE-TX	
Connector shape	RJ45	
Transmission specifications	Transmission speed	10 Mbps/100 Mbps
	Transmission method	Base band
	Max. segment length	100 m
Communication cable	Category 5 UTP cable	
Protocol	TCP/IP	
Functions	Auto negotiation function, MDI/MDI-X, Auto crossover function	

Ethernet is a registered trademark of Xerox Corporation.

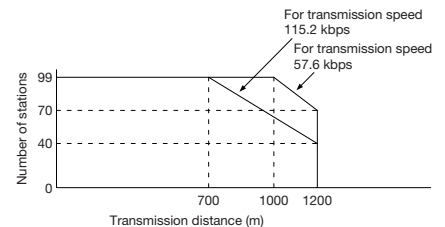
- When using this unit with other companies' equipment, check the operation with the actual equipment connected.
- To ensure correct operation, read the "Installation Instructions" carefully before use.
- For details, specifications, and handling methods, check the KS1 Signal Converter User's Manual, which can be downloaded from our website (<http://www.mew.co.jp/ac/e>).

Communication Specifications Interface: RS232C and RS485

Interface	RS232C (non-insulated)	RS485 (insulated)
Conversion COM port*1	COM1	COM2
Communication style	1:1 communication	1:N communication
Number of connectable stations	1 station	99 stations max.
Communication method	Full duplex	Half duplex
Synchronous method	Start-stop synchronization	—
Transmission distance	15 m	Max. 1200 m *2,3
Communication speed	2400, 4800, 9600, 19200, 38400, 57600 and 115200bps	
Number of connectable connections	3	3
COM receive time out	Setting range: 10 ms to 300 s	Setting range: 10 ms to 300 s
Non-communication time before disconnection	Setting range: 0 to 1800 s (Not disconnected when set to "0".) *4	
Conversion and transmission format	Data length	8 bits fixed
	Parity	Odd/Even/None
	Stop bit	1 bit/2 bits
	End code	CR, CR+LF, None
Ethernet ⇒ Serial conversion	Command/Response system	

Notes:

1. COM1 and COM2 can be used simultaneously.
2. When connecting a commercially available device, please confirm operation using the actual device. In some case, the number of stations, transmission distance, and communication speed vary depending on the connected device.
3. The values for the transmission distance, communication speed and number of stations should be within the values noted in the graph.
4. In case of setting "0: No timeout", it cuts the connection automatically when no communication continues for two hours.



These materials are printed on ECF pulp.
These materials are printed with earth-friendly vegetable-based (soybean oil) ink.



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