

KNC-PLC-K205 - Series

FEATURES

- **Four High-Speed Counters**
- **Multiple Pulse Train Outputs**
- **Relay and/or Transistor Outputs**
- **26 Modes and Inputs of High-Speed Counters**
- **Transistor and/or Relay Outputs**
- **Multiple Communication Ports**
- **Rated Input voltage DC 24V**
- **6 Direct Input, 6 Direct Output, and 4 Direct Input/Output**



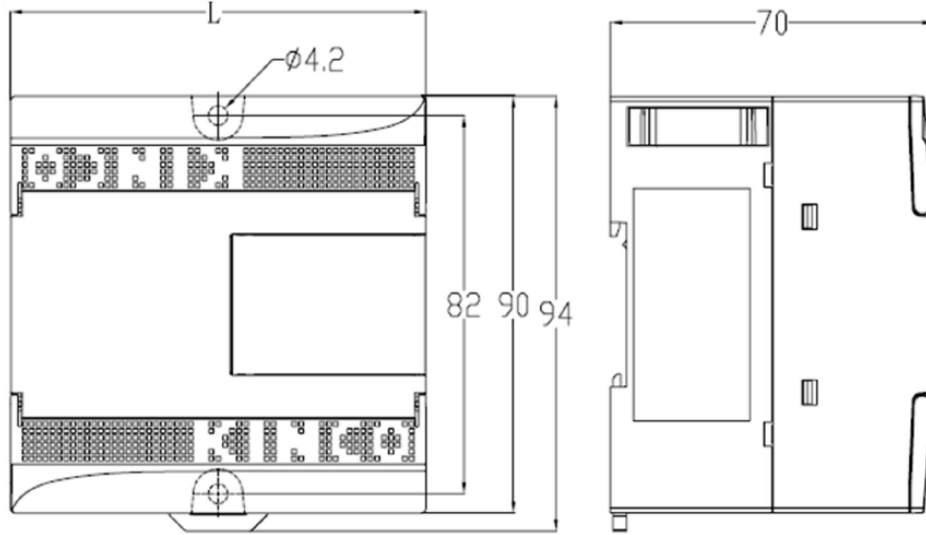
DESCRIPTION

The PLC-K205 series provides special I/O functions, a Micro USB (USB 2.0) programming port, 4 high-speed counters, 3 high-speed pulse outputs, two RS485 communication ports, integrated digital input and output channels, and more. The high speed counters come in 10 different operation modes, support a single-phase frequency up to 50 KHz, and a dual-phase (A/B phase) frequency up to 50 KHz. In the 10 different modes, each counter has its own inputs for clock, direction control, start and reset, and has a 32-bit present value. The built-in high-speed pulse outputs can reach a maximum frequency of 50 KHz, and support PWM. The free KincoBuilder software provides absolute and relative positioning, homing, jogging, and quick stop instructions. The PLC-K205 series is an ideal hub for data processing with field devices, such as temperature modules, servo drives, field busses and more.

SPECIFICATIONS

Parameter	KNC-PLC-K205-16DR	KNC-PLC-K205-16DT
Input Points	16	16
Input Type	Sinking or Sourcing	
Input Voltage	Rated: 24 Vdc; Maximum: 30 Vdc	
Rated Input Current	3.5 mA @ 24 Vdc	
Max Input Voltage of Logic "0"	5V @ 7mA	
Minimum Input Voltage of Logic "1"	Common Channel: 11 Vdc @ 2.0 mA	
Input Delay	Normal Input: 15 µs; High-Speed Input: 10 µs Normal Input: 60 µs; High-Speed Input: 6 µs	
Isolation	Mode: Opto-Isolated Between Input and Internal Circuit Voltage: 500 Vac / 1 Min	
Signal Identification	Separate LED Indicators for Each Channel	
Module Width	70mm	70mm

DIMENSIONS



CPU205 L=90mm

WIRING DIAGRAMS

