Modbus Closed Loop Stepper Drives

CS2RS Series

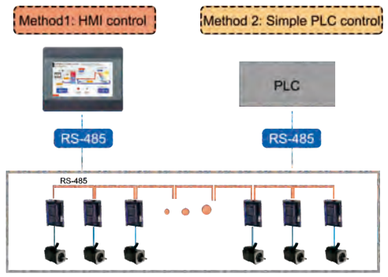
- Standard Isolated RS485 Modbus
- No loss of step & smooth motion
- Built-in Uni-axial Control Instruction
- HMI, PLC or External I/O start motion

Features

- 7 Programmable Inputs
  - Limit + / - or Origin inputs
  - Quick stop, Alarm reset and Enable inputs
  - JOG + / - or Position Table inputs
- 3 Programmable Outputs
  - Alarm, Brake outputs
  - Homing / Instruction / Path complete
- Modes of Operation
  - Velocity
  - Position
  - Homing
- Support Functions
  - Teaching
  - Interrupt
  - Skip, Suspend, Circulate motion
- PC Software for Easy Setup, Fine Tune
- Matching Motors:
  - NEMA8, 11,17, 23, 24, 34
  - Standard, dual shaft, brake, waterproof

1.Support RS485 communication

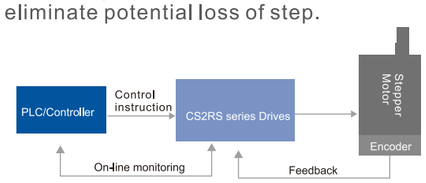
Standard Modbus RTU protocol, RS485 communication can network up to 31 axes



Modbus

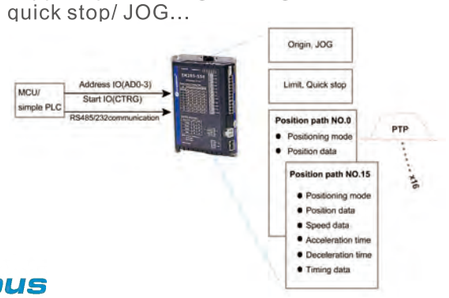
2. No Loss of step

Adopted closed loop step system to make real-time position error correction ,can eliminate potential loss of step.



3.Built-in uni-axial control instruction

Programmable 16-segment position table, support positioning/homing/ limit/ quick stop/ JOG...



Models	Operating Voltage	Output Current(A)	Matching Motor	Weight(Kg)	Size(mm)
CS2RS-D503	20-50VDC	0.5-3.0	NEMA8/11/14/17	0.38	116*69.2*26.5
CS2RS-D507	20-50VDC	0.5-7.0	NEMA17/23/24	0.38	116*69.2*26.5
CS2RS-D1008*	20-80VAC or 30-100VDC	0.5-8.0	NEMA24/34	0.57	-
CABLE-PC-1	Tuning Cable				
CABLEM-BM*M*	Encoder Extension Cable				
CABLEM-RZ*M*	Motion Extension Cable				

Company Profile

Founded in 1997 by Warren Li, a MIT PhD graduate and former USA professor, Leadshine Technology Co., Ltd. is a leading technology company dedicated to design, manufacture, market, and support reliable and affordable motion control products based on the latest control technologies. Leadshine offers a full complement of products including motion controllers, control systems, integrated servos, servo drives & motors, easy servo drives & motors (closed loop steppers), integrated easy servo motors, integrated steppers, stepper drives & motors. Today, Leadshine is one of the largest motion control companies in the world to provide solutions and quality products to tens of industries, and thousands of OEM clients in Asia, Europe, North & South America, Australia, and Africa.

R&D

Led by Dr. Li, a PhD majored in robotics & servo controls from MIT, Leadshine has one of the strongest R&D teams in the motion control industry. The team consists of more than 100 R&D engineers and all of them are highly educated with most of them carry PhD & Master degrees in controls, electrical & electronics engineering, mechanical engineering, mechatronics, computer engineering, and computer science. Their strong background and experience allow Leadshine capable of designing superior quality products based the latest technology in the most efficient way.

Product Quality

Leadshine operates manufacturing facilities which are superiorly equipped, professionally staffed, and ISO-9001 certified. That allows Leadshine to provide highly reliable quality motion control products OEM clients in the shortest time.

Leadshine's products have proven records of being successfully adopted in thousands of applications such as CNC routers, mills, plasmas, lathes, laser cutters/engravers/markers, inkjet printers, plotters, electronics equipments, medical equipments, semiconductor assembly & inspection machines, electronics machines, packaging equipments, textile machines, robotics, pick-and-place devices, etc. In most cases, Leadshine's standard "off-the-shelf" products are able to satisfy the motion control needs for most applications. For many OEM applications with special requirements, Leadshine also offers customized products with optimized performance.

Support and Service

Leadshine believes the key to be a successful motion product supplier is the commitment to fully understanding our customer's applications and working closely with our OEM clients. In many cases, Leadshine engineers can participate in the whole process of client product development, including initial application evaluation, product selection, design help & suggestion. Our expertise and experience allow us to help OEM clients to produce competitive high quality machines in their industries.