

Positioning module

RD75P/RD75D



The RD75P/RD75D are capable of controlling up to four axes with a high-speed pulse output (5 Mpulses/s¹ at fastest). The RD75P and the RD75D are compatible with the transistor output and the differential driver output respectively.

*1. This speed is applicable when a differential driver output type is used. The speed depends on the specifications of servo amplifiers.

	RD75P2	RD75P4	RD75D2	RD75D4
Number of control axes	Up to 2 axes	Up to 4 axes	Up to 2 axes	Up to 4 axes
Start time	0.3 ms or longer			
Servo amplifier	MR-J4-A(-RJ) MR-JE-A/MR-JE-C			
Command interface	Pulse train (transistor output)		Pulse train (differential driver output)	

MELSEC-Q series



A variety of MELSEC-Q series controllers fully meets the control needs in each industry and field.

Simple Motion module



QD77GF

The QD77GF is a CC-Link IE Field Network compatible Simple Motion module which combines the versatility of Ethernet and highly accurate synchronous operation for Motion control.

- QD77GF4: 4 axes
- QD77GF8: 8 axes
- QD77GF16: 16 axes



Simple Motion module



QD77MS

The QD77MS is simple to use just like Positioning modules while capable of performing various control, such as positioning, synchronous, cam, and speed-torque control (tightening & press-fit) using only sequence programs.

- QD77MS2: 2 axes
- QD77MS4: 4 axes
- QD77MS16: 16 axes



Motion controller



Q17nDSCPU

The Q17nDSCPU is a CPU module used with a PLC CPU for Motion control.

- Q172DSCPU: 16 axes
- Q173DSCPU: 32 axes



Stand-alone Motion controller



Q170MSCPU

The Q170MSCPU is an all-in-one controller integrating a power supply, a PLC, and a Motion controller.

- Q170MSCPU: 16 axes (Equivalent to Q03UDCPU)
- Q170MSCPU-S1: 16 axes (Equivalent to Q06UDHCPU)



Positioning module

QD75PN/QD75DN

The QD75PN/QD75DN are pulse train output compatible modules. The QD75PN is for transistor output, and the QD75DN is for differential driver output.

- QD75P1N/QD75D1N: 1 axis
- QD75P2N/QD75D2N: 2 axes
- QD75P4N/QD75D4N: 4 axes



Positioning module

QD70P/QD70D

The QD70P/QD70D are pulse train output compatible modules. These modules are suitable for driving stepping motors because they enable smooth acceleration/deceleration with gradual speed change.

- QD70P4/QD70D4: 4 axes
- QD70P8/QD70D8: 8 axes

