4.7 Positioning Instruction

Positioning instruction

■Zero return(OPR) with 16-bit/32- bit data DOG search

Instruction symbol	Description	Reference
DSZR	• When FX3 compatible operand is specified Specifies the proximity dog signal, zero signal and device (Y). Outputs a pulse with the specified device (Y) to perform the zero return operation. • When FX5 operand is specified Specifies the original position return speed, creep speed and axis number. Outputs a pulse with the specified axis to perform the zero return operation.	Page 1134
DDSZR		Page 1138

■16-bit/32-bit data interrupt positioning

Instruction symbol	Description	Reference
DVIT	• When FX3 compatible operand is specified Performs interrupt positioning with the specified travel distance, speed, and device (Y). • When FX5 operand is specified Performs interrupt positioning with the specified travel distance, speed, and axis number.	Page 1140
DDVIT		Page 1144

■Positioning by one table operation

Instruction symbol	Description	Reference
TBL	• When FX3 compatible operand is specified Outputs 1 table operation from the table set by the parameter as pulse with specified device (Y). • When FX5 operand is specified Outputs 1 table operation from the table set by the parameter as pulse with specified axis number.	Page 1148

■Positioning by multiple table operation

Instruction symbol	Description	Reference
DRVTBL	Outputs continuous multiple table operations from the table set by the parameter as pulse with specified axis number.	Page 1150

■Multiple axes concurrent drive positioning

Instruction symbol	Description	Reference
DRVMUL	Outputs the table set by the parameter as pulse with specified multiple axes.	Page 1152

■32-bit data ABS current value read

Instruction symbol	Description	Reference
DABS	Reads the absolute position data of the servo amplifier.	Page 1154

■16-bit/32-bit data variable speed pulse

Instruction symbol	Description	Reference
PLSV	• When FX3 compatible operand is specified Specifies the command speed and output device (Y) and uses the specified device (Y) to perform pulse output. • When FX5 operand is specified Specifies the command speed and performs pulse output with the specified axis number.	Page 1156
DPLSV		Page 1160

■16-bit/32-bit data relative positioning

Instruction symbol	Description	Reference
DRVI	• When FX3 compatible operand is specified Specifies the travel distance from the current position, speed and performs pulse output with the specified device (Y). • When FX5 operand is specified Specifies the travel distance from the current position, speed and performs pulse output with the specified axis number.	Page 1164
DDRVI		Page 1168