## Motion Event Instructions

These are the motion event instructions.

# **Available Instructions** Ladder Diagram and Structured Text

MAW	MDW	MAR	MDR	MAOC	MDOC
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### **Function Block**

Not available

**Important:** Tags used for the motion control attribute of instructions should only be

used once. Reuse of the motion control tag in other instructions can cause unintended operation. This may result in damage to equipment or

personal injury.

Motion event instructions control the arming and disarming of special event checking functions, such as registration and watch position.

The motion event instructions are:

If you want to:	Use this instruction:
Arm watch-position event-checking for an axis.	MAW
Disarm watch-position event-checking for an axis.	MDW
Arm servo-module registration-event checking for an axis.	MAR
Disarm servo-module registration-event checking for an axis.	MDR
Arm an Output Cam.	MAOC
Disarm an Output Cam	MDOC

### See also

**Motion Configuration Instructions** 

**Motion Group Instructions** 

Motion Move Instructions

**Motion State Instructions** 

**Multi-Axis Coordinated Motion Instructions** 

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Logix 5000 Controllers **Instruction and Application Considerations** 

**Logix Designer Application** <u>Instruction Set</u>

**Interpret the Attribute Tables** 

**Array Concepts** 

- ▶ Module Configuration **Attributes**

**Bit Addressing** 

**Common Attributes** 

**Data Conversions** 

Elementary data types

LINT data types

Floating Point Values

**Immediate values** 

**Index Through Arrays** 

**Math Status Flags** 

Motion Error Codes (.ERR)

Structures

- Equipment Sequence <u>instructions</u>
- Equipment Phase Instructions
- ▶ Alarm Instructions
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12/14/2021 Motion Event Instructions

#### <u>Instructions</u>

#### ■ Motion Event Instructions

Motion Arm Output Cam

(MAOC)

<u>Understand a</u>

<u>Programming example</u>

MAOC Flow Chart (True)

Motion Arm Registration

<u>(MAR)</u>

MAR Flow Chart (True)

Motion Arm Watch (MAW)

MAW Flow Chart (True)

**Motion Disarm Output** 

Cam (MDOC)

MDOC Flow Chart (True)

Motion Disarm Registration

(<u>MDR</u>)

Motion Disarm Watch

<u>(MDW)</u>

MDW Flow Chart (True)

**Scheduled Output Module** 

**Specifying Output** 

<u>Compensation</u>

<u>Specifying the Output Cam</u>

- Motion Group Instructions
- Motion Move Instructions
- ▶ Multi-Axis Coordinated Motion Instructions
- ▶ Program Control Instructions
- ▶ Special Instructions
- Timer and Counter
  Instructions
- ▶ <u>Trigonometric Instructions</u>
- ▶ Process Control Instructions

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