

2.2 General Operations

2.2.0.1 Check Safety

Before any operation of the YRC1000micro, read Section 1 “Safety” of “YRC1000micro INSTRUCTIONS” again and keep safe around the robot system or peripherals.

2.2.0.2 Select Teach Mode

Set the mode switch on the programming pendant to “teach”.

2.2.0.3 Select Control Group

If the YRC1000micro has several Control Groups or Coordinate Control Systems (optional function), select control group first.

If two or more ROBOT, BASE, STATION are registered, switch control group by pressing [SHIFT] + [ROBOT] or [SHIFT] + [EX. AXIS].

After selecting a job, the control group registered in the selected job is enabled. The control group registered in the edit job can be switched by pressing [ROBOT] or [EX. AXIS].

Check the selected control group at the status display area on the programming pendant.

2.2.0.4 Select Coordinate System

Select a coordinate system by pressing [COORD].

Each time [COORD] is pressed, the coordinate system switches in the following order:

Joint→Cartesian (Cylindrical)→Tool→User

Check the selected coordinate on the status display area on the programming pendant.

2.2.0.5 Select Manual Speed

Select manual speed of operation by pressing [FAST] or [SLOW]. The selected speed is effective not only for axis operation but [FWD] or [BWD] operation.



In operating the manipulator manually by the programming pendant, the maximum speeds of the center point and the flange are limited to 250 mm/s.

- Each time [FAST] is pressed, the speed switches in the order of "INCH"→"SLOW"→"MED"→"FAST".



INCH → SLW → MED → FST

- Each time [SLOW] is pressed, the speed switches in the order of "FAST"→"MED"→"SLOW"→"INCH".



FST → MED → SLW → INCH

2.2.0.6 Servo ON

Press [SERVO ON READY], and then SERVO ON LED starts blinking.

Squeeze the Enable Switch, and then SERVO ON LED starts lighting.

2.2.0.7 Axis Operation

Make sure of safety around the manipulator.

Press [Axis Key] then axis moves according to the selected control group, coordinates, and manual speed. See *chapter 2.3 "Coordinate Systems and Axis Operation"*.

2.2.0.8 HIGH SPEED

Press [HIGH SPEED] while pressing [Axis Key] to make the manipulator move faster than the usual speed.



The [HIGH SPEED] is disabled when "INCH" is selected for the manual speed.