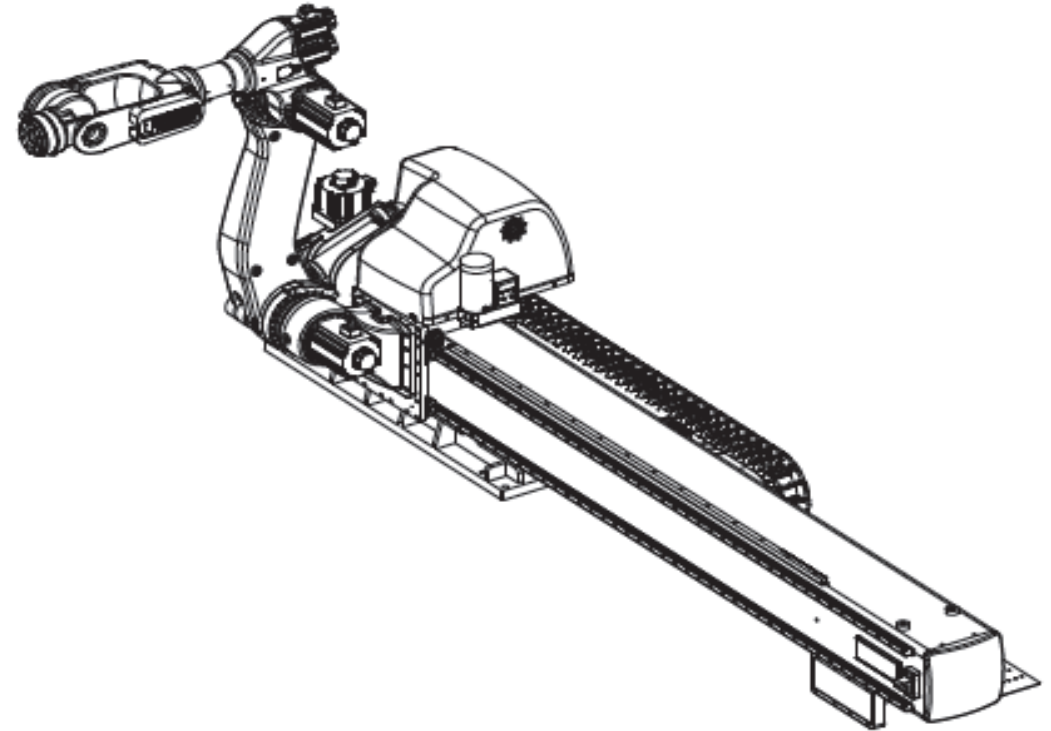


H5 Soft sensor Quick Setting Guide



2020-11-23

Ver.1

1. What is a Soft Sensor?

◎ Form of Soft Sensor

Traverse : Minimum, Maximum Position value

Up/Down : Minimum, Maximum Position value

◎ Function of Soft Sensor

To determine whether the robot arm is Inside or Outside of the mold.

In the case of manual operation, this sensor controls **Mold open / Mold close Interlock signals.**

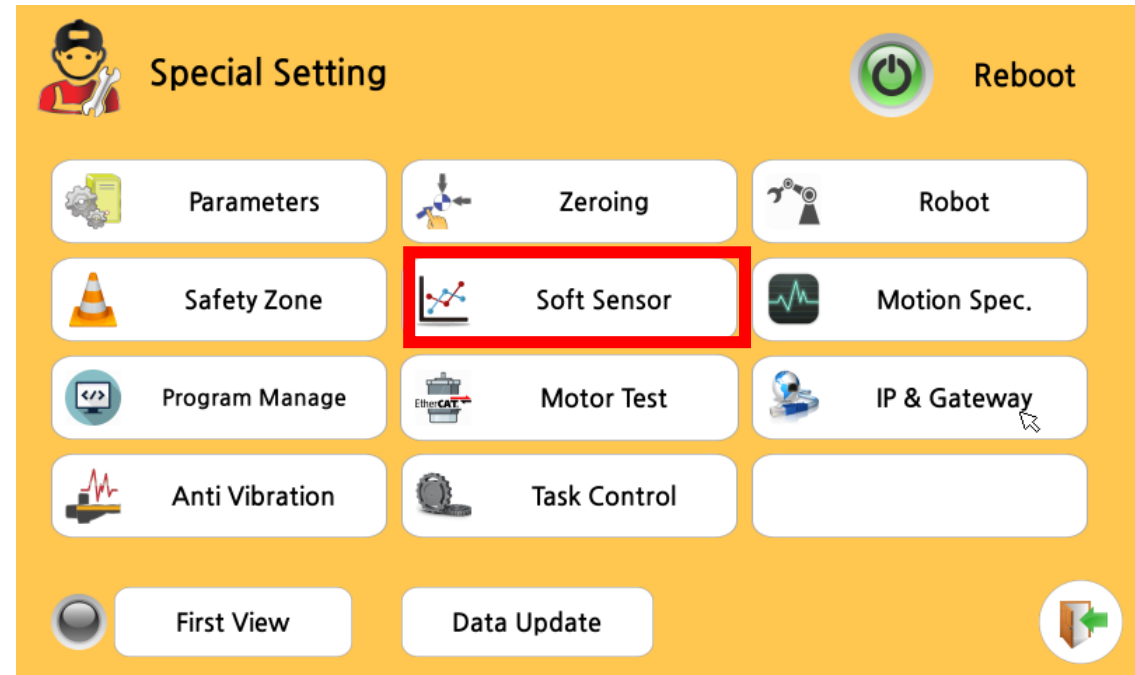
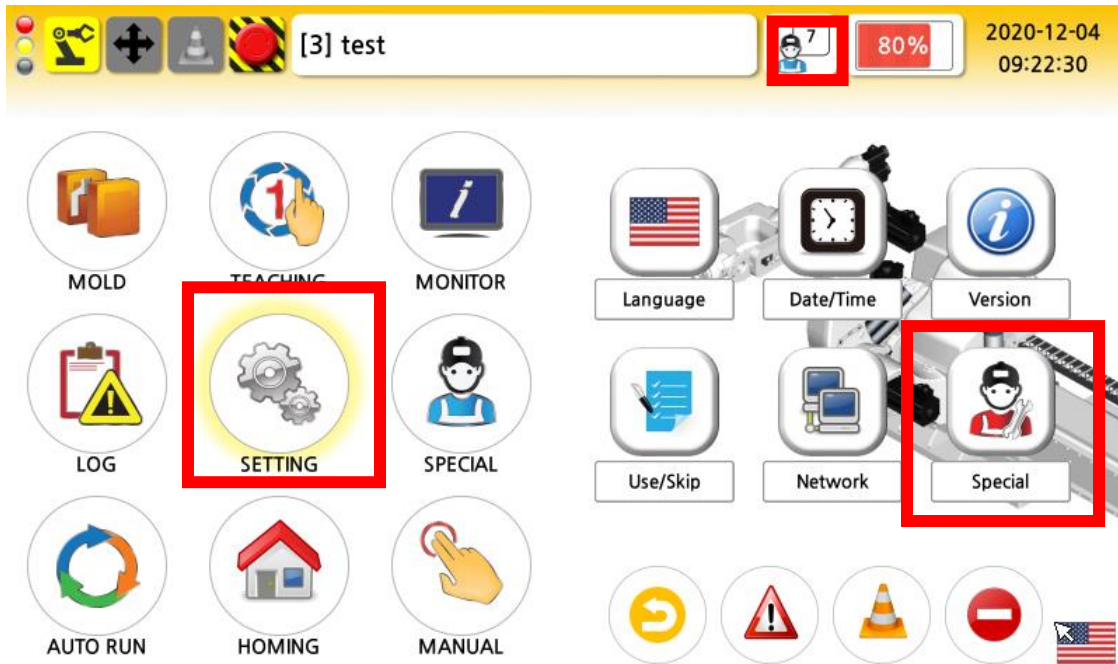


Takeout Zone Sensor		
Axis	Min	Max
Traverse	-200.00	500.00
UpDown	-160.00	3000.00



2. How to get to Soft Sensor Setting

(Log in with Level 7-> Settings-> Special-> Soft Sensor)



3. How to Set Soft Sensor

※ EOAT must be installed before this step

● Traverse Position Value Setting

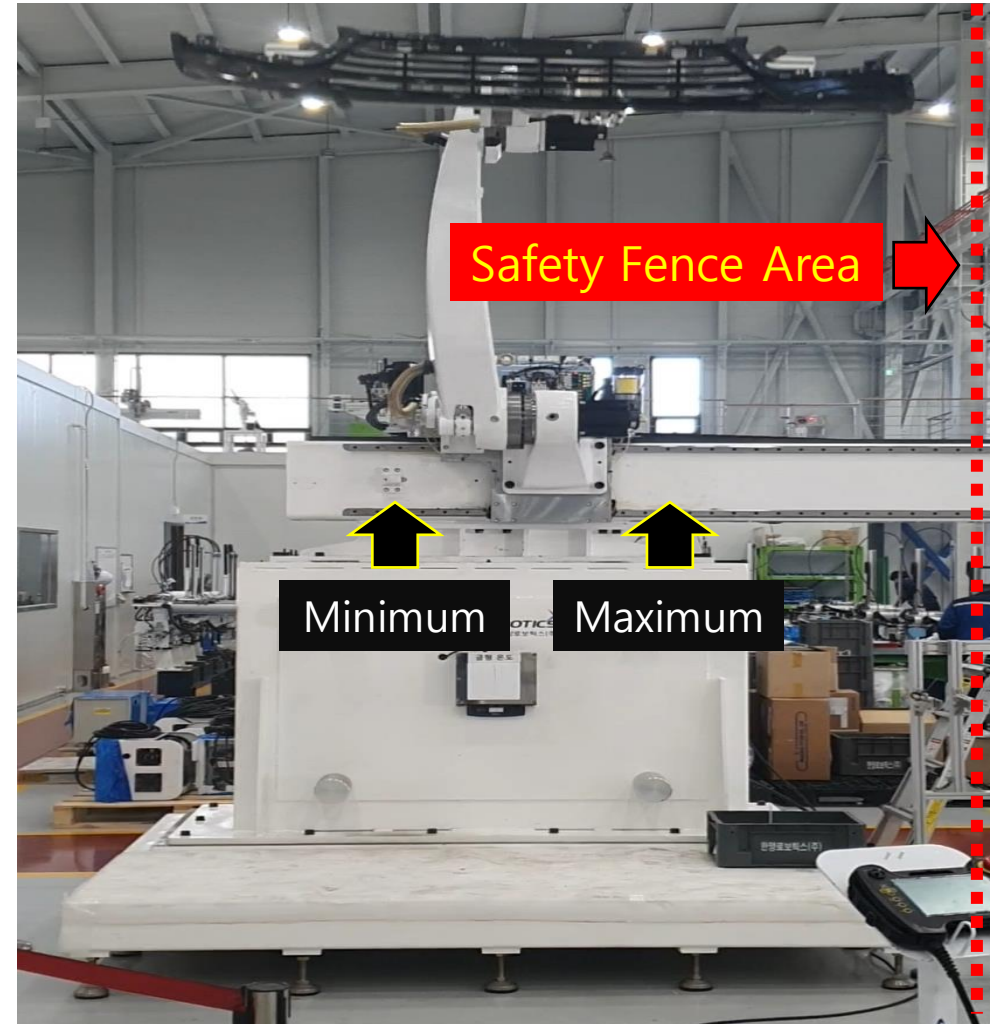
1. Minimum Position Value :

Set the maximum negative position value or the position value of the stopper.

2. Maximum Position Value:

Find the maximum positive position so that EOAT or the product does not interfere with the safety door fence.

(This position value depends on the size of a jig or a product)



3. How to Set Soft Sensor

※ EOAT must be installed before this step

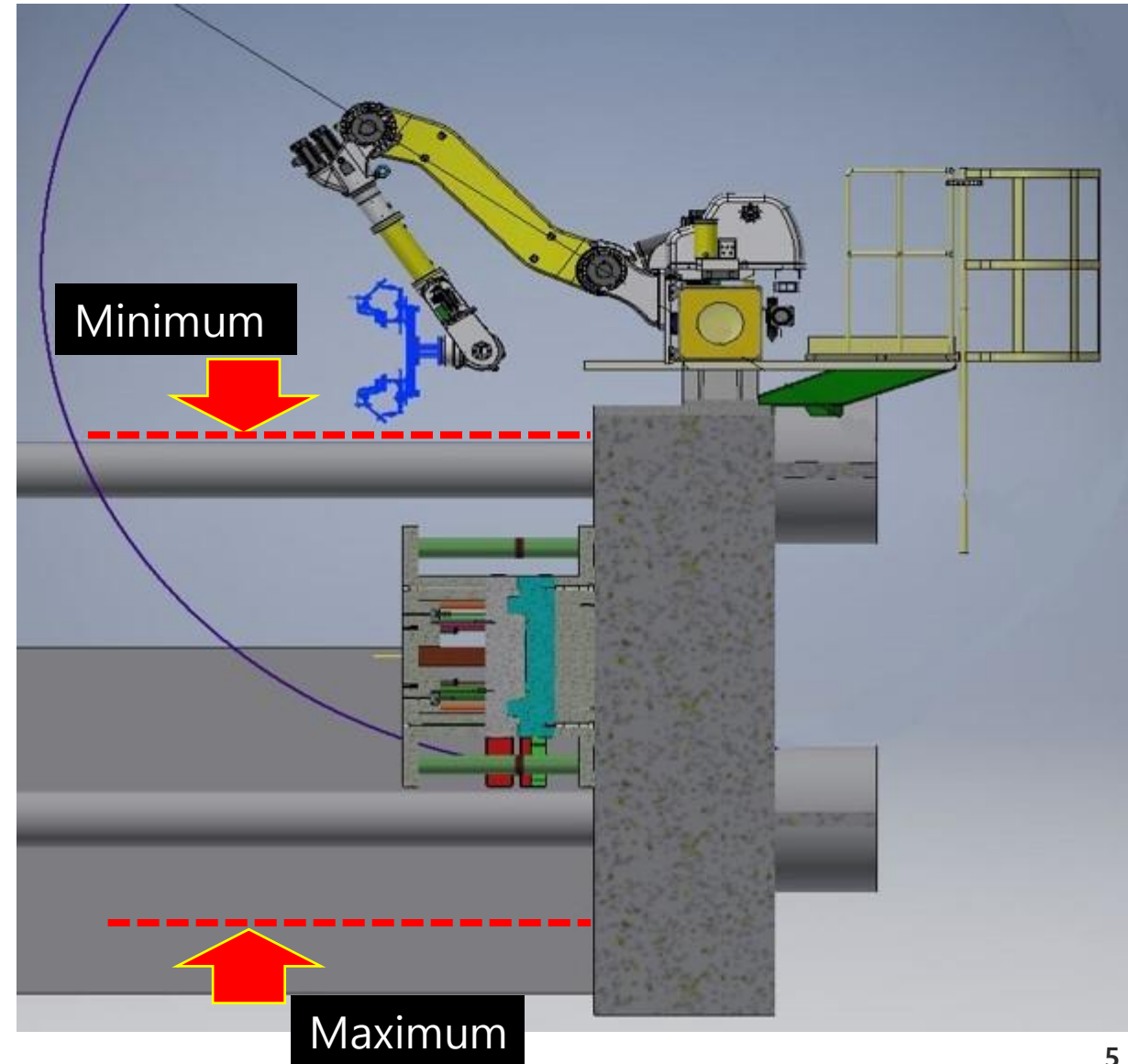
● Up/Down Position Value Setting

1. Minimum Position Value :

While mold is CLOSED, find a good position so that the jig or the product does not interfere with the mold

2. Maximum Position Value:

While mold is OPENED, move the robot arm manually and find a maximum bottom position.



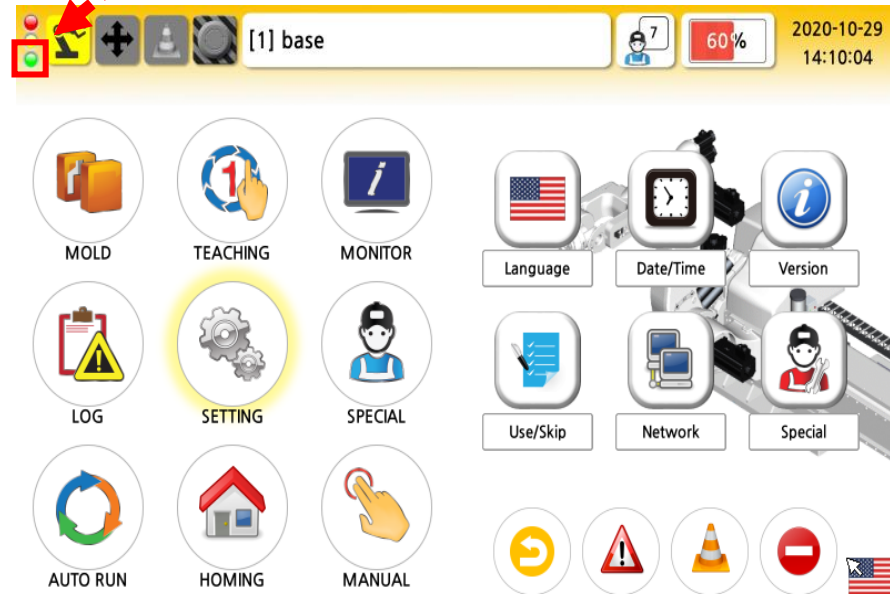
4. How to check Status of Soft Sensor

※ AFTER SETTING, MUST CHECK SOFT SENSOR MONITORING AND INTERLOCK SIGNALS ※

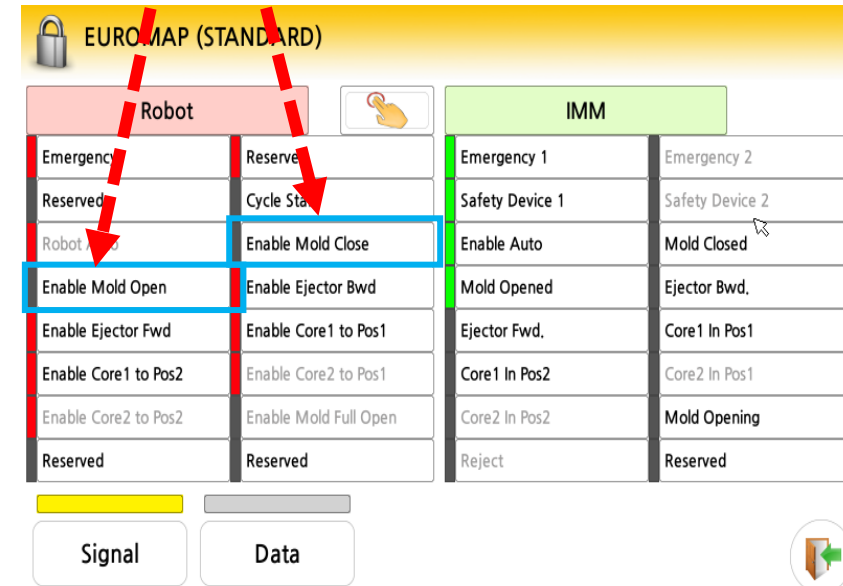


When the arm is **IN** the soft sensor area

Green light ON



Enable Mold open / Enable mold close OFF



Monitoring -> Check Interlock Screen

4. How to check Status of Soft Sensor

※ AFTER SETTING, MUST CHECK SOFT SENSOR MONITORING AND INTERLOCK SIGNALS ※



When the arm is **OUT** of the soft sensor area

RED light ON

Enable Mold open / Enable mold close ON

EUROMAP (STANDARD)

Robot		IMM	
Emergency	Reserved	Emergency 1	Emergency 2
Reserved	Cycle Sort	Safety Device 1	Safety Device 2
Robot Auto	Enable Mold Close	Enable Auto	Mold Closed
Enable Mold Open	Enable Ejector Bwd	Mold Opened	Ejector Bwd.
Enable Ejector Fwd	Enable Core1 to Pos1	Ejector Fwd.	Core1 In Pos1
Enable Core1 to Pos2	Enable Core2 to Pos1	Core1 In Pos2	Core2 In Pos1
Enable Core2 to Pos2	Enable Mold Full Open	Core2 In Pos2	Mold Opening
Reserved	Reserved	Reject	Reserved

Signal Data

Monitoring -> Check Interlock Screen