

You have to determine the “The zone” for which you want to set a cartesian position check. Let’s say, for example you want to set up a cartesian position check for the electrical panel of the cell. The purpose of the cartesian position check is to protect the electrical panel from the robot.

- 1** PRESS --> **[MENU]**
- 2** SELECT --> **[0]** 0 NEXT
- 3** SELECT --> **[6]** 6 SYSTEM
- 4** SELECT --> **[7]** 7 DCS
- 5** Using arrow --> Scroll down to **line 3 : Cart.** Position check
- 6** PRESS --> **[NEXT]** Press [NEXT] until you see **F3** key as **DETAIL**
- 7** PRESS --> **[F3]** DETAIL
- 8** Using Arrow --> Scroll down to an empty Cartesian position check that is not defined Let’s say line 4.
- 9** PRESS --> **[F3]** DETAIL
- 10** At line 2, PRESS --> **[ENTER]**
- 11** ENTER --> A comment like : **Panel**
- 12** At line 3, PRESS --> **[F4]** [CHOICE]

- 13** SELECT --> **[2]** 2 Restricted zone (Diagonal). *(this will set a rectangular prism where the robot will not have access.)*
- 14** At line 8, ENTER --> **0** *(to set the rectangular zone reference to the World frame.)*
- 15** At line 9, 10 and 11, ENTER --> The coordinates of the two points of the diagonal, which reference is the world frame. according to which the rectangular prism is located in space.
- 16** At line 12, PRESS --> **[F4]** [CHOICE]
- 17** SELECT --> **[1]** 1 Stop Category 0 *(This will set the robot to stop its motors immediately.)*
- 18** At line 2, PRESS --> **[ENTER]**
- 19** If the question “Do you want to change the settings?” is asked, PRESS --> **[F4]** YES
- 20** PRESS --> **[F4]** [CHOICE]
- 21** PRESS --> **[2]** 2 ENABLE
- 22** PRESS --> **[PREV]**
- 23** PRESS --> **[PREV]**
- 24** PRESS --> **[F2]** APPLY

- 25** ENTER --> **Code number (master): xxxx** (Refer to Robot cell integrator for code.)
- 26** PRESS --> **[F4]** OK
- 27** PRESS --> **[FCTN]**
- 28** SELECT --> **[0]** 0 NEXT
- 29** SELECT --> **[8]** 8 CYCLE POWER
- 30** PRESS --> **[YES]**
- 31** The DCS set up will be added to the one already in function.