



Center For Research & Technology – HELLAS Information Technologies Institute

Record for safety instructions

Rules for use of industrial robot located in room “ΗΦΑΙΣΤΟΣ” in the building of Information Technologies Institute.

1. During the use of the Robot, I am obliged to follow all general safety regulations, in particular the regulations defined by “CERTH health and safety regulations” .
2. Only authorized persons may use the robot and only in presence of the robot operator: Andreas Kargakos. This authorization can be obtained from the lab supervisor Sotiris Malassiotis.
3. I understand that electrical equipment is considered without voltage only in the case that it is securely guarded against accidental activation. This is guaranteed only by unplugging the Robot power supply from the wall socket. If the Robot is switched off, but plugged in, it is considered to be with voltage (live).
4. It is the responsibility of the supervisor to ensure that the appropriate training in the use of the equipment has been given.
5. The operational space of the Robot is the part of the room that is separated by the black retractable safety tape.
6. Any electrical or mechanical modifications to the robot or the robots operational space should be done by authorized personel and with the approval of CERTHs technical department.
7. The safety tape should be placed at all times separating the operational space and all persons should leave the operational space before connecting the Robot to voltage. Removing the safety tape or entering the operational space is allowed only after unplugging the Robot power supply from the wall socket. The exceptions from this rule are described in §8 and §9.
8. If the task performed requires the presence of persons in the operational space of the robot, it is possible to enter the operational space only for the necessary time, and only after stopping the robot motion by pressing the Emergency Stop Button. The Emergency Stop Button can be released only after all persons leave the operational space.
9. If the presence of the persons in the operational space of the robot is needed while the robot can move, it is possible only after ensuring all conditions bellow are satisfied:
 - a) The Robot is used in manual mode only.
 - b) The Robot is watched by two persons. It is required that one person is controlling the Robot from Teach Pendant, and at least one person is an employee of the Information

Technologies Institute .

c) The Robot velocity is set to the minimal speed satisfying conditions of the experiment, but not exceeding 20 % of the robot's maximal speed.

d) The maximal speed of the Robot's articulated parts is high, so the user must be aware of the danger this presents to persons in the operational space of the robot.

10. Do not leave loose papers lying around. General cleanliness/tidiness will help prevent accidents.
11. Never stand on chairs or desks when reaching for height. Always use a step stool or an appropriate stepladder.
12. Do not carry loads such that the weight may be dangerous or vision obscured.

I hereby declare that I understand these rules and that I will comply with these rules.

Name, surname (legibly in capital letters):

Thessaloniki :/...../.....

Instructions given by:

Signature

Signature