

JobMaster Power Controllers

Automated Manufacturing & Industrial Maintenance Training System



PC04 Power Control Panel shown mounted on Jobmaster™ Learning Station. Learning Station sold separately. Lock sold separately.

The JobMaster™ Mechatronics and Industrial Maintenance Training system provides a superior blended learning solution for automated manufacturing training by combining industrial-grade components with engaging e-learning content.



JobMaster™ courses are entirely skill-based, consisting of individual exercises that reproduce essential tasks performed by maintenance technicians, equipment operators, and machine repairmen. Each skill has been analyzed and field-tested by qualified maintenance technicians to teach the specific skills needed in the industrial environment.

intelitek's partners in development of the curriculum include twelve major US industrial companies, including Boeing, Caterpillar, Ford, GE, and US Steel.

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JOBMASTER



SKILLS-BASED TRAINING

JobMaster™ Power Control (PC) panels are an essential element of the JobMaster™ Training System. PC panels provide the necessary electrical connection from the JobMaster™ learning station to your facility power.

Power control panels serve the dual purpose of exposing trainees to the same environment they will encounter in industrial environments, and assuring a safe environment in the classroom.

No other training system provides exposure to industry-standard practices like JobMaster™:

PC panels feature industrial-level safety controls, including the lockout/tagout point, emergency stop, and the on/off switch for all the learning station components. Each power control panel provides three forms of lockout: one for the instructor, one for the student, one for emergency stop conditions.

Power controllers are available for both 120V single-phase and 220V three-phase power supplies. Each JobMaster technology training course specifies the model power controller needed.

With the versatile JobMaster learning station, the appropriate power control panels and your choice of JobMaster technology training courses, you can be sure your industrial maintenance and automated manufacturing programs are fully equipped for success!



Fully equipped learning stations accommodate two people per side. Separate power controllers are required for each side in use.

JobMaster™ Power Control Panels

Mounting board

- Material: 3/8" (9.5 mm) thick high density polyethylene
- Properties: Environmentally stabilized, chemically resistant, non-conductive
- Dimensions: 8"W x 11.5"H x 0.375"D
(203 mm x 292 mm x 9.525 mm)

Terminal strips

- Industry-standard, field serviceable fasteners for electrical connections:
- rated for 50-amps at 600 volts
- recessed and insulated for safety

120V single-phase* Order #10-PC04-0000

- Weight: 6.75 lbs (3 kg)
- Overall dimensions: 8"W x 14"H x 6.375"D
(203 mm x 356 mm x 162 mm)

220V (+/- 10%) three-phase* Order #10-PC06-0000

- Weight: 7.45 lbs (3.375 kg)
- Overall dimensions: 8"W x 14"H x 6.375"D
(203 mm x 356 mm x 162 mm)

Note: The PC06 power connection cable does not include a plug. You must provide and install the plug to match your facility's receptacle type.

International step-down transformer package Order #10-PC09-0000

(not shown)

* International step-down transformer package required for international applications.

NOTES:

Each Learning station requires **one** power control panel for **each side** in use. Each JobMaster Module specifies which power controller is needed.

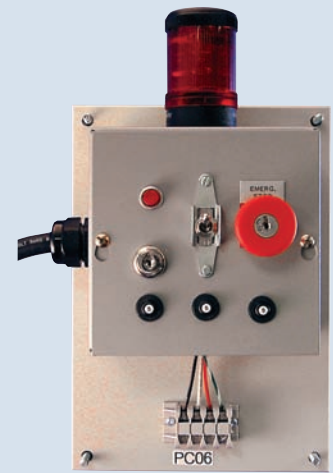
How to build a JobMaster™ training system:

- Select the learning station.
- Select the JobMaster course(s) you need.
- Select a Power Control Panel based on course requirements. (See individual course data sheets.)
- Select optional components and add-ons.

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PC04
120V Single-phase
Power Control Panel



PC06
240V Three-phase
Power Control Panel

All the PC panels include:

- Two keys** enabling instructors to control access to the learning station:
 - The Power lock switch key power lock switch must be activated using the key before power will flow through the panel. Once the power lock switch is engaged, indicated by the power indicator light, the on/off toggle switch serves as the power switch to any components wired to the panel.
 - The Emergency stop key is required to reset the e-stop once activated.
- Overload protection** via 5 amp breakers. If tripped because of a circuit overload, the breakers and power lock switch must be reset.
- Emergency stop** which disconnects power to the entire system when activated. Once engaged, both the e-stop and the power lock switch must be reset using the respective keys.
- Beacon warning light** atop the panel that flashes when the e-stop is activated and continues flashing until the emergency stop button is reset.
- Industry-standard terminal strips** for safe electrical connections:

JobMaster courses are an integral part of intelitek's STEM programs.

Add hardware-based and blended learning labs to deliver comprehensive Industrial Maintenance, Mechatronics and Advanced Manufacturing programs.



Affiliated with:



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