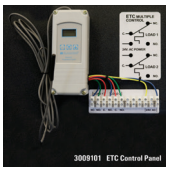
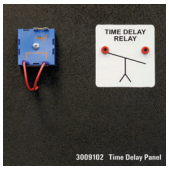
HVAC ELECTRICAL CONTROLS AND REFRIGERATION TRAINING

iConnect Training has added this line of training units specific for HVAC Electrical Controls and Refrigeration Training. Designed by a master union technician and instructor, they are modular and flexible. Check out these models on pages 10-13.

Choose our standard model or customize your TU-9240 HVAC Electrical Control Training System by adding additional panels that meet your classroom and lab needs. See our web site for the full description of panels available: www.iConnectTraining.com/Panels.

See a few examples of the individual panels below:

PART NUMBER	PHOTO	DESCRIPTION
3009100		**Transformer Panel:** Power panel for the unit. 120V supply to the transformer, reducing the voltage to 24 volts. Fused on low voltage side for 5 amps and the high voltage side for 6 amps. Gives user the choice of using direct wiring or plug and play. Also gives a diagram of the transformer, as found on an electrical or engineering print.
3009101		**ETC Control Panel:** (Electronic Temperature Control): 2-stage temperature controller, could be used for heating or cooling applications. Thermistor type temperature sensor. Powered by 24 volt. Direct wiring.
3009102		**Time Delay Panel:** This shows a delay scenario, useful for demonstrating a delay in time for starting a load. Normally used in refrigeration systems to prevent short-cycling a compressor. Plug and play.

TU-9240 HVAC ELECTRICAL CONTROL TRAINING UNIT

This system gives students the opportunity to learn the basics of electricity, and then proceed to learn how to set up a control circuit. It is designed for courses teaching the apprentice or vocational student early in their training. Built on a rolling frame with 36 modular panels, the instructor can position 12 panels on the front display for the lessons of the day. All refrigeration controls used are designed for the HVAC industry. The student can learn from connecting the controls using two different methods, depending on the panel: banana jack or terminal block connections.

The instructor can teach the principles of circuitry, all with this low voltage system (24-volt) to ensure beginner safety. Students can experience taking voltage, amperage and resistance readings to build their basic understanding of an electrical system. Lessons with this unit will also teach them basic knowledge of series (as seen in pressure controls) and parallel circuitry (as seen in relays).

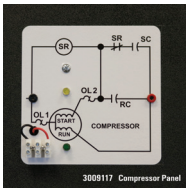
Manual, including electrical diagrams to construct working control circuits, are included.

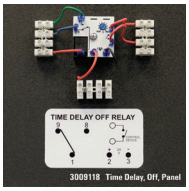
The TU-9240 HVAC Electrical Control Training Unit can be used for lectures explaining the controls and how they function and/or for practice demos. This unit is designed for electrical programs, HVAC programs, and control calibration courses.

Specifications

Electrical requirements: 120VAC; 60Hz;15A

Overall size: 45" L x 24" W x 69" H





Features

- Low voltage 24-volt system
- The unit comes standard with 36 panels
- The lower rack and back rack provide storage for the panels not being used in the current lessons
- Circuits including basic electricity, basic refrigeration, heating and air conditioning, commercial air conditioning and other load circuits can be created.
- Controls include power transformer, lamp holder panels, single, three-way, and four-way switches, single pole contactor, switching relays, programmable thermostat, fan relay, stop-start station, 3-pole contactors with auxiliary contacts and overload protection, high and low pressure controls both in-line and commercial, commercial step controller, load fans, mechanical temperature control

E-LEARNING CURRICULUM NOW AVAILABLE

TU-9240: Suggested 3 courses totaling 54 credit hours

Subscription includes Instructor's selection of any 5 courses in catalog. Add more courses by request.

1. 111 Electrical DC Theory Plus
2. 112 Electrical AC Theory Plus
3. 113 Electrical Common Components

iConnect® TRAINING

Shipping Weight: 600 lbs.
Shipping Dimensions: 80" L x 48" W x 78" H