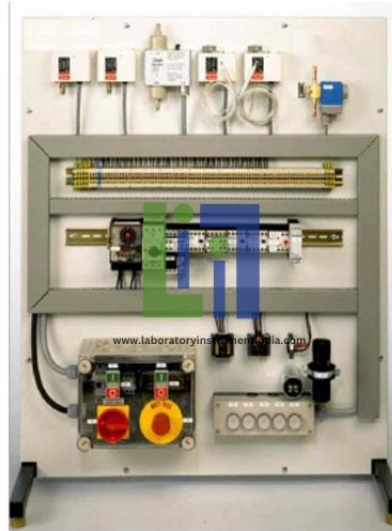




Email : sales@laboratoryinstrumentindia.com

**Product Name :**  
Refrigeration Wiring Skills Bench

**Product Code :**  
LBNY-0005-11700053



#### **Description :**

The fault switches are hidden beneath a panel on the door of the control cubicle so they are not visible whilst the particular fault is being diagnosed. This allows the unit to be demonstrated in the classroom, which in the real world may not be possible. The cubicle is fitted with examples of the typical devices one may come across in the field, such as high and low pressure switches and a thermostat. The allows the lecturer to introduce 12 faults into a control circuit, which has been wired by the student. The Unit has a mimic diagram on the front panel, which simulates an actual compressor control circuit.

#### **Technical Specification :**

##### **Single Phase Circuit:**

The circuit comprises a mains isolator, circuit breaker and overload, contactor and defrost timer. The components are arranged on the front panel, as they would typically be laid out in a control cubicle, with the necessary terminals and trunking. To the right hand side, the upper terminal box is typical of that found on a single-phase motor and above it a start capacitor for the single-phase motor. Situated outside of the trunking, on the left hand side, are the typical sensors that you would find in a refrigeration system, Thermostat, high-pressure switch, differential pressure switch and solenoid valve.

##### **3 Phase Circuit:**

The components are arranged on the front panel, as they would typically be laid out in a control cubicle, with the necessary terminals and trunking. The circuit comprises, a mains isolator, circuit breaker and overload, star delta starter and defrost timer. Situated outside of the trunking, on the left hand side, are the typical sensors that you would find in a refrigeration system, Thermostat, high-pressure switch, differential pressure switch and solenoid valve. All of the components are typical of those found in industry, albeit of a smaller size than may be used on a

---

large installation.



**Laboratory Instrument India**