



## SQUIRREL CAGE MOTOR CONTROL DL 2123



### **DESCRIPTION**

The board, allowing the simulation of starting systems for the motors with squirrel cage rotor, is equipped with a clear synoptic diagram that shows through terminals: the push-buttons, the thermal relay contacts, the contactor coils and the signaling lamps.

The system, besides the board, includes a three-phase asynchronous motor supplied at the reduced voltage of 42 V, complete with educational base and terminals that make easy the connection to the simulation panel.

The speed meter, connected to an opto-encoder, allows measuring the rotation speed of the motor.

Besides, a magneto-thermal switch and an emergency key allow the immediate interruption of the supply circuit in case of overload or short-circuit.

With this system, the student will be able to study the following:

- Telestarting of three-phase asynchronous motor,
- Running teleinversion,
- Star-delta telestarting,
- Bias teleswitch,
- Star-delta telestarting with running teleinversion,
- Bias teleswitch for two speed motor of Dahlander connection.



# AUTOMATION AND CONTROL



The checking and the automatic management are carried out by means of PLC.

Complete with educational manual.

Power supply: single-phase from mains.

NOTE: It can be connected to a PLC such as the DL 2210A or the DL 2210B.