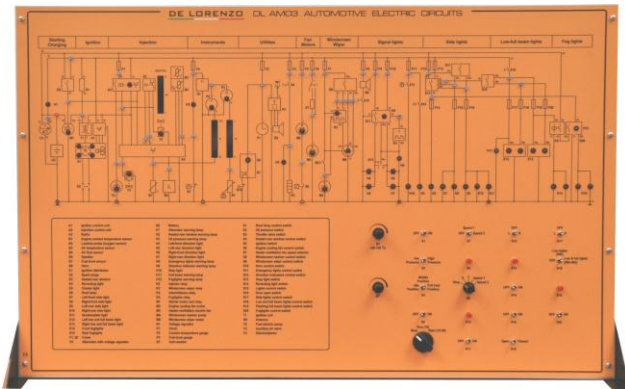




## ELECTRIC CIRCUITS



DL AM03

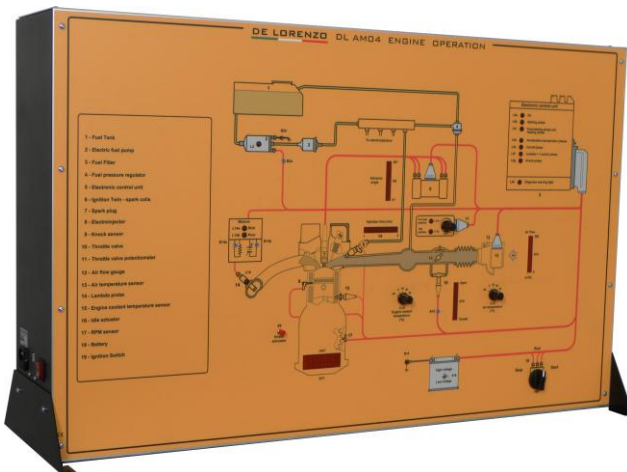
The following sections of the electric plant of the car are reproduced on the panel:

- Electrical supply
- Starting
- Ignition
- Fuel injection
- Various end users (radio, defrosting, etc.)
- Indicators
- Cooling and aeration
- Windshield wipers
- Signalling system
- Lighting system
- Head lights
- Anti-fog lights

The scheme utilizes the symbols specified by the DIN regulations.

The panel is complete with CAI software.

## ENGINE OPERATION



DL AM04

The simulator takes into consideration all these aspects by performing the following functions:

- Ignition phase
- Heating phase
- Lambda regulation
- Quick acceleration/deceleration phases
- Cut-off phase
- Regulation of the injection time
- Regulation of the advance angle
- Regulation of the minimum rpm
- Regulation of the knock
- Limitation of the rpm

From just one electronic control panel all the regulations on the Otto cycle based engines are performed.

The measurement sensors at the engine detect the operating data and adapt them for the use of a microprocessor, which elaborates them, recognizes the operating status of the engine and calculates accordingly the regulation signals for the control of the suitable actuators.

In this way it is possible to obtain the best interconnection among injection, fuel preparation and ignition point as a function of the various operating situations of the engine.

The panel is complete with CAI software.