

D.C. MOTOR DRIVE

Mod. CV-2/EV

INTRODUCTION

This system applies the operating principle of a half controlled unidirectional single-phase thyristor converter.

It can be used for RPM control of DC motors in closed-loop and open-loop regulation. It ensures automatic RPM control and current limitation via armature reaction.

This converter can also operate with an RPM signal output by a tachogenerator (mod. P-16/EV, not included in the equipment) that must be coupled to the motor having to be driven. This equipment is recommended for the connection with DC machines (motors) of "POWER" line.



TECHNICAL SPECIFICATIONS:

This equipment is inserted in a tabletop metallic box with schematic diagram silk-screen-printed on the fore panel.

Some test points are available for system optimization with the connection of measurement instruments.

It is suitable for DC motors with:

- power: 1.5 kW (max.)
- armature voltage: 220 Vdc
- excitation voltage: 220 Vdc

Dimensions: 400 x 395 x 240 mm

Net weight: 25 kg

RECOMMENDED MOTOR:

DIRECT-CURRENT MOTOR mod. P-1/EV

POWER SUPPLY:

230 V / PE 50-60 Hz Max. absorption.: 2 kVA

THEORETICAL-EXPERIMENTAL HANDBOOKS

Application handbook.