

## DPS 824/16S

Digital programmed switch with 16 outputs for remote keyboard



### DESCRIPTION

The electronic cam programmer is an instrument capable of processing the data supplied by the encoder to generate a series of pulses, programmable by the user, which allow activation of drives to carry out machine cycles.

In this way you will avoid all the difficulties traditionally encountered in mechanical components (wear and high maintenance costs) and you can take advantage of the many advantages associated with electronics (phase changes with the machine in motion, program recording, interfacing with the software via serial, etc.).

This equipment supports an absolute encoder in input with a resolution of 360 positions/turn, in output 16 electronic cams auto protected against short-circuit and overload.

The linear advance function can be activated per cam or per benches; storage of 10 sizes with possibility of expansion up to 44, selectable also remotely by 4 bit binary code.

If the encoder is disconnected or an output has short-circuited, a signal will indicate alarm status, in order for the machine to be stopped to prevent damage to mechanical or electrical devices.

Programming in five languages (Italian, English, French, German and Spanish) is easy to do manually on the remote keyboard on panel (sold separately), or remotely via software or directly from serial port via ASCII string.

Easy assembly from inside panel on DIN guide, cam programmer dimensions 168x90x58 mm to DIN-43700 standard

**ATTENTION:** for details on the combined remote keyboard, refer to the KEYB/5 technical sheet

**MAIN FEATURES**

Power supply	24Vdc
Encoder data input	360° absolute one turn (NPN open collector o push-pull)
Max current encoder	100mA
Number of outputs	16
Output voltage	24Vdc – PNP auto protected or NPN not protected
Output current	500mA for output (max 1.2A each 8 outputs bench)
N° of sizes (standard)	10
N° of sizes with expansion memory	44
Number of phases for output	180 phases ON/OFF for each cam
Data adjust	ON LINE
Max speed (R.P.M).	4200 R.P.M.
Advance for speed compensation (ms)	1 - 210ms (for benches or single cam)
External sizes program selection	from PLC or contraves with binary selection
Signal encoder connected / outputs working	24Vcc – PNP (max 50mA)
Setting zero encoder	mechanic (machine) or electronic (encoder)
Outputs test	with failure led
Encoder test	with indication on the display
Speed limit	activation of cam 16 when the limit is exceeded
Languages	Italian / English / German / French / Spanish
RS232 for communication PC	software CREI STT Elettronica
Direct programmable with RS232	ASCII string

**TECHNICAL DRAWING**

