

DPS 824/8

Digital programmed switch with 8 outputs



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 8 electronic cams auto protected against short-circuit and overload. The linear advance function can be activated per cam or per benches; storage of 21 sizes with possibility of expansion up to 89, 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 on-board keypad, or remotely via software or directly from serial port via ASCII string.

Easy assembly from inside panel on DIN guide, dimensions 168x90x73 mm to DIN-43700 standard

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 | 8 |
| 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) | 21 |
| N° of sizes with expansion memory | 89 |
| Number of phases for output | 180 phases ON/OFF for each cam |
| Data adjust | ON LINE |
| Max speed (R.P.M). | 5300 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 | NONE |
| Setting zero encoder | mechanic (machine) or electronic (encoder) |
| Outputs test | with failure led |
| Encoder test | on display |
| Speed limit | activation of cam 8 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

