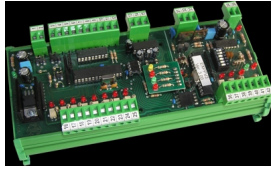


Programmer for sections of adhesive in modular version MC-PRG1

Written by emmeci

Wednesday, 18 April 2007 22:25 - Last Updated Thursday, 18 September 2014 13:26



System for adjusting and positioning sections of adhesive, suitable for all applications in the packaging a

Thanks to its precision and reaction speed, it is particularly suitable for use on fast infeed lines or in rath

The MC-PRG1 programmer features the possibility to increase the number of channels controlled, simply by adding one or more expansion modules PRG1-EXP, which are each capable of managing 2 channels completely independently.

All the operational parameters and work sizes can be set on a PC with PRG1-COM software or on the MC-TRM1 terminal in the T version (for Timer-controlled lines) or E version (for Encoder-controlled lines).

The MC-PRG1 programmer offers many innovative features:

- High quantity of glue sections/pauses managed (8 sections and 8 pauses)
- High number of sizes (16 to which a name of 8 digits can be assigned, each of which allowing quicker identification)

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- Modular design, so that you can decide the number of channels (guns or other actuators) from a minimum of 2 to a maximum of 8 by adding an expansion module PRG1-EXP
- Possibility to use an independent spray starting sensor (trigger) for each gun
- Possibility to work in either timer mode (sections of adhesive/pauses managed in milliseconds, typical in constant speed lines) or in encoder mode (sections of adhesive/pauses managed in millimetres for fixed or variable speed lines).
- Outstanding versatility in view of the use of sensors (PNP or NPN sensors can be used)
- A full diagnosis system for indicating the status of the system (Off, On, Error, etc) and for easily identifying the anomaly triggered via an error code that is displayed directly on the display of the MC-TRM1 terminal or on the PC with PRG1-COM software.
- A full test procedure that checks the efficiency of the guns and the spraying control sensors statically (with the line at a standstill)
- Possibility to use a password of 1 to 5 figures to protect the operational and size parameters programmed.
- Possibility to interface with other systems: via 3 outputs, you can manage the alarm and system on/off conditions.

TECHNICAL DATA

FIXTURE

DIN guide

CONNECTIONS

Screw-on terminals for cable Ø max.1,5mm
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DIMENSIONS of the MC-PRG1 unit

(length x width x height)	126 x 77 x 65 mm
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DIMENSIONS of the expansion module for 2 channels PRG1-EXP
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DIMENSIONS of the module for proportional valve PRG1-VAL
--

DIMENSIONS of the timer module PRG1-CLOCK

(length x width x height)

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48 x 77 x 48 mm

POWER SUPPLY

22-28 Vcc 100mA max.

OPERATING MODES

Timer or millimetre counter (with encoder)

LENGHT OF EACH SECTION / PAUSE

0-9999 msec (timer mode)

0-9999 mm (encoder mode)

SYSTEM PRECISION

± 1 (mm or msec.)

MAX LINE SPEED (IN ENCODER MODE) *

NUMBER OF SECTION MANAGED

8 sections of adhesive + 8 pauses

NUMBER OF SIZE AVAILABE

16 combined with just as many messages of 8 digits each

SERIAL COMMUNICATION PORT

RS485 / RS 232 for connection to the programming terminal or to a PC

MAX CURRENT ON EACH VALVE PILOT OUTPUT

TYPE OF ELECTROVALVE PILOT OUTPUT with PNP logic

TYPE OF PHOTOCCELL INPUTS

Opto-insulated with NPN or PNP logic

TYPE OF ENCODER OUTPUTS

Opto-insulated with NPN or PNP logic

CORRENTE MAX. SU OGNI USCITA DI

PILOTAGGIO SPIE DI SEGNALE (25mA)

TYPE OF STATUS OUTPUTS

NPN logic

* The maximum speed of the line depends on the frequency of the encoder (max. 12KHz).

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Related arguments:

- [Programmer for sections of adhesive in compact version COMPACT-PLUS](#)
- [PRG1-COM programming software](#)
- [PANN-PRG1 panel panel for MC-PRG1 programmer](#)