Programmer for sections of adhesive in compact version COMPACT-PLUS

Written by emmeci
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System for adjusting and positioning the sections of adhesive, suitable for all applications in the packag

The innovative aspects of Compact-Plus are many:

-      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)
-      Possibility to manage up to a maximum of 4 channels (guns or other actuators) completely independently.
-      Possibility to use an independent spray starting (trigger) sensor for each gun.
-      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

-      A full test procedure that checks the efficiency of the guns and the spraying control sensors statically (with the line at a standstill)
-      Help on line to facilitate use: the operator presses a button to view the instructions related to the menu on the display.
-      Possibility to use a password of 1 to 5 figures to protect the operational and size parameters programmed.
-      High performance timer for switching the applicator on/off:
-      For each day of the week, 2 time bands can be programmed independently by the user.

-      Weekends and bank holidays etc. need to be managed specifically, to program the presence or otherwise of a weekend/bank holiday in advance (with maximum advance of 24 days) (on a non work day, the applicator remains off despite the time bands programmed)

-      Possibility to interface with other systems: via 2 dedicated outputs, you can manage the alarm and timer on/off conditions

The COMPACT-PLUS programmer is available in 2 models that can be used on different types of packaging lines:

-      **COMPACT-PLUS/T**: is a programmer on which the duration of the adhesive sections and of the pauses is expressed in milliseconds. This programmer can therefore only be used on

lines strictly with constant speed, because any variations would affect the length of the adhesive sections and the pauses.

- **COMPACT-PLUS/E**: is a programmer on which the duration of the adhesive sections and of the pauses is expressed in millimetres. This programmer can therefore be used on any type of system, because the presence of an encoder means you can synchronise the duration of the adhesive sections and the pauses with the infeed of the line. The presence of a sophisticated self-calibration system of the encoder and the possibility to compensate delays of the guns, means that you can obtain very high precision even on lines subject to ample variations.

Technical specifications of Compact-Plus/T and /E

CASE	Plastic with protection rating IP65
DIMENSIONS (width x height x depth)	263 x 216 x 133 mm
CONNECTIONS	Extractable screw-on terminals for cable Ø max.1.5 mm
POWER SUPPLY	22-26Vcc
NUMBER OF SECTIONS MANAGED	8 sections of adhesive + 8 pauses
NUMBER OF SIZES AVAILABLE	16 combined with just as many messages of 8 digits each
NUMBER OF OUTPUTS MANAGED	4
MAX CURRENT ON EACH ELECTROVALVE PILOT OUTPUT	1,5A (@ 25°C)
TIPOLOGIA DELLÃ¢â,¬â"¢USCITA DI PILOTAGGIO ELETTROVALVOLE	a stato relay (SSR) con NPN logic
TYPE OF ELECTROVALVE PILOT OUTPUT	Opto-insulated with NPN or PNP logic
NUMBER OF AUXILIARY OUTPUTS	2 (system anomaly and timer on)
MAX CURRENT ON EACH AUXILIARY OUTPUT	100mA (@ 25°C)
TYPE OF AUXILIARY OUTPUT	NPN logic

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Compact-Plus/T

| LENGHT OF EACH SECTION / PAUSE | 0-9999 msec |
| SYSTEM PRECISION | ± 1 msec |

Compact-Plus/E

LENGHT OF EACH SECTION / PAUSE	0-9999 mm
SYSTEM PRECISION	± 1 encoder pulse
MAXIMUM LINE SPEED	>500 meters/min *

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

Related arguments:

- [Programmer for sections of adhesive in modular version MC-PRG1](#)

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