

G.MILANI S.A.S.

DI TETTONI FABRIZIO & C.

Via CAVAGLIETTO, 25

28010 - CAVAGLIO D'AGOGNA NO (ITALIA)

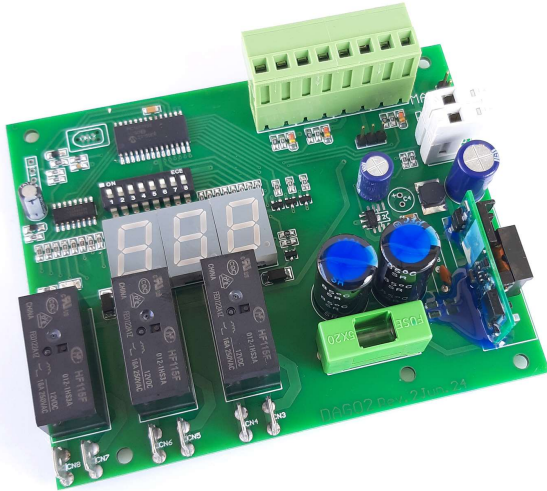
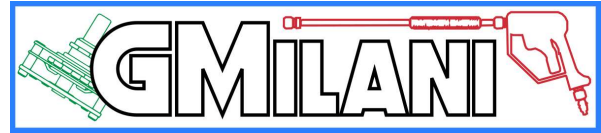
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DAG02_24 features.

- Power supply between 90 and 520 Vac 50/60Hz
- For three-phase motors up to 4 kW
- For single-phase motors up to 3 kW
- Dimensions (L x W x H) 115 x 92 x 30mm
- Weight 150g

The card allows you to time the activation of a load, through the pulse of a coin mechanism, the insertion of the tokens will be signaled by indicating their number (Gxx), subsequently the time of the single token being deducted will be displayed. The board is equipped with a LED that indicates the activation of the relays. Possibility of suspending the counting by pausing it and resuming it via an external button.

Possibility of manual activation and deactivation of the load.

Emergency button input with intervention signal on display.

Ability to view working hours (not resettable) and total tokens inserted (resettable).

12Vdc output, max absorption 150mA (fixed or excludable from emergency intervention) for various users.

Timing adjustable via DIP.

Function manual DAG02_24.

DIP:

DIP 1 a OFF binary weight 1, a ON binary weight 0

DIP 2 a OFF binary weight 2, a ON binary weight 0

DIP 3 a OFF binary weight 4, a ON binary weight 0

DIP 4 a OFF binary weight 8, a ON binary weight 0

DIP 5 a OFF binary weight 16, a ON binary weight 0

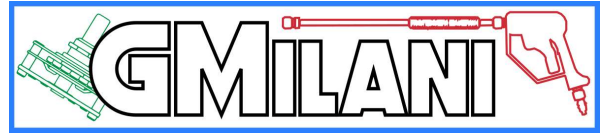
DIP 6 a OFF binary weight 32, a ON binary weight 0

DIP 7 a OFF binary weight 64, a ON binary weight 0

DIP 8 time base selector, when OFF the time base is one minute, when ON the time base is 5 seconds

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DIP 8 to ON:

Maximum value of a single token $127 \times 5\text{sec} = 635$ seconds

DIP8 to OFF:

Maximum value of a single token $127 \times 1\text{min} = 127$ minutes

Example:

to get a token time of 120 seconds:

set DIP4 (binary weight 8) + DIP5 (binary weight 16) to OFF: value $24 \times 5\text{sec} =$
Token time 120 seconds with DIP8 to ON for a 5 second time base

to get a token time of 10 minutes:

set DIP2 (binary weight 2) + DIP4 (binary weight 8) to OFF: value $10 \times 1\text{min} =$
Token time 10 minutes with DIP8 to OFF for 1 minute time base

START/STOP operation without inserting tokens:

At any time, closing the jumper (MAN) switches to manual mode, which starts from output to OFF; each press of the KEYIN button inverts the state of the output, activating or deactivating the relays. To exit this function just reopen the jumper (MAN).

Viewing saved data:

The running counter saves to non-volatile memory with a time base of seconds, but only working hours are displayed, minutes and seconds remain hidden.

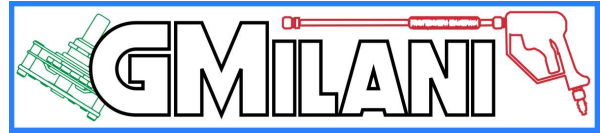
How to view the data:

Turn on the equipment with the jumper (RST) closed or by holding down the external button connected to the (RST) terminal

The writing "HOURS" will be displayed for 5 seconds and then the hours will be displayed alternating the display of the two highest digits, then the two intermediate digits and the two lowest digits; the sequence repeats until, by pressing the KEYIN button for about a second, you move on to the display of the totalizer of tokens introduced, which is highlighted by the wording "GET"; the display of the tokens has the same mode as the display of the hour meter. While displaying the tokens, if the KEYIN button is held down for at least 10 seconds, the token count indicated by the

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writing "CLR" is reset and the display of the hours restarts.

It is not possible to reset the counter by the end user.
Exiting the function occurs by opening jumper JP3; it is not necessary to turn off the equipment after exiting this function.

Emergency:

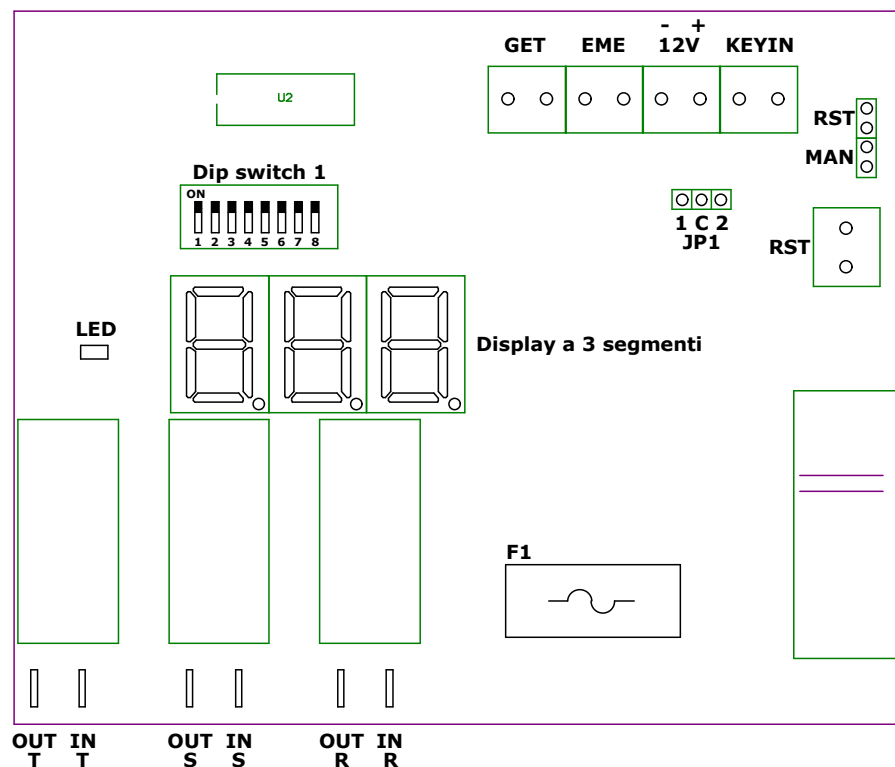
The equipment is designed to use a normally closed emergency button, which has a dual function, a hardware one that cuts off the driving of the power relays and a software one that signals that the emergency has been pressed.
When this occurs, the inserted tokens are lost.

Working cycle:

When the token is introduced, the number of tokens introduced is displayed (written Gxx) and the relay starts automatically, signaled by the LED on the card. The decreasing time relating to the single token is shown on the display. If DIP8 is ON, the remaining seconds are displayed, if it is OFF, the remaining minutes are displayed. It is possible to insert other tokens during the working time; the time displayed will however always be that of the current token (for example if a token time of 60 seconds has been selected and 3 tokens have been introduced, there will be three display cycles of 60 seconds each; the relay never releases during the passage from one token to another)

If the KEYIN key is pressed during the execution of the work cycle, the output is deactivated and the counting is paused (the writing "PAU" is displayed on the display; a subsequent press of the same key restarts the cycle from the point at which had been paused and kept the credit loaded.

If the emergency is activated during the work cycle, the output is deactivated, the work cycle ends and all credits entered since the beginning of the cycle currently in use are reset (the word EME is displayed on the display). Tokens introduced but not used are still counted in the token totalizer, even if not used.



Power supply between 90 and 520 Vac 50/60Hz

FASTON IN R,S,T - Power input, in single phase do not use T

FASTON OUT R,S,T - Load output

F1 - 500mA board protection fuse

GET - Coin acceptor input contact NO

EME - Emergency mushroom input NC contacts

12V - 12Vdc output max load 200mA

KEYIN - Input for FUNCTION button contact NO

LED - Relay activation signal

JP1 - 12Vdc output selection jumper, always present or excluded by EME intervention:

1+C always present

2+C excluded from EME intervention

No Jumper output disabled.

MAN - CHI input FUNCTION selection jumper

Open: Pause / Resume token counting

Closed: Start / Stop relay without token insertion (manual operation)

RST - Jumper on board or terminal for any external button

Open: Normal operation

Closed: Displaying working hours and tokens inserted when given voltage to the board

Dip switch - Base time multiplication selector.

DAG02_24

REV. DATE

DESIGNED
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SCHEME

CONTRACT: