



**A SINGLE  
COIN VALIDATOR  
TO MANAGE TWO  
DIFFERENT SERVICES.**

# ELECTRONIC COIN VALIDATOR **RM5 - Timer**

- The electronic coin validator RM5-T is ideal to make any service payment automatic, where cost is determined by time used; for example car-care machines, tennis courts, showers, televisions, roundabouts.
- It has a two exit timer which can manage up to 2 different types of services.
- No interfaces are needed, as RM5-T can guide a RM-924 display directly.
- RM5T works with both alternative and continuous current within the range  $12 \div 24V \pm 10\%$ .
- The exits are relay with tension-free and independent contacts.
- The main configuration parameters can also be set directly on the coin validator without using external tools.
- It is possible to set coins or tokens directly on the RM5-T, thanks to the self-prog function.

- RM5-T is available in three different versions:

30 *progressive timer*

32 *dual progressive timer*

1R *dual price totalizer with dual reset*

#### USE

*Car washes  
Service Station  
Parking  
Automatic Distribution  
Launderettes  
Gyms  
Gaming  
Public Services  
All self service in general*



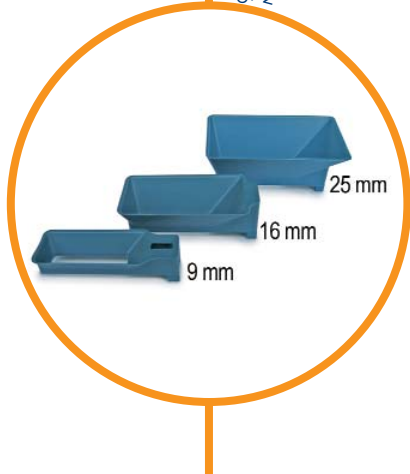
# ELECTRONIC COIN VALIDATOR

## RM5 - *Timer*

Fig. 1



Fig. 2



### CONFIGURATIONS

#### 30 Progressive timer

RM5-T accumulates inserted money so when the base cost of the service is reached, it activates a relay command for the programmed time.

The price and service duration can be set using the push-buttons connected directly to the coin validator.

Credit can be accumulated, adding other coins, the duration of the command is increased in proportion to the value of the coins inserted.

RM5-T can activate a service expiry relay command warning signal, which can be programmed up to 1 hour and 30 minutes, even on site.

#### 32 Dual progressive timer

It gives the possibility of buying up to two different services and it has two exits.

The value of the coins or tokens is accumulated.

The choice of service, price setting and duration of functions can be done by using the push-buttons connected directly to the coin validator.

#### 1R Dual price Totalizer with dual reset

Two price limits can be chosen for the distribution of two different products.

Inserted credit can be accumulated to allow multiple distribution of the same product.

Price setting can be set using the push-buttons connected directly to the coin validator.

The number of products distributed can also be visualised.

The distributor's loading status can be verified by the machine's counters, which also have a reset function.

### CONSTRUCTION FEATURES

- 3 electromagnetic sensors, by which 6 different parameters relative to the coin material and density are elaborated;
- 3 optic sensors to recognise coin diameter;
- mechanic anti-fishing device;
- electronic anti-fishing device;
- electronic anti-intrusion device;
- wire-cutting blade.

### INTERFACE FEATURES

Interface serial for communication with external systems (Portable programmer, PC), for calibration, testing and for updating value tables and working parameters. It is also possible to update firmware on site.

### ACCESSORIES

- Front plates: mod. F1 (60x118 mm); F3 (60x180 mm); F6 (60x152 mm), (Fig. 1).
- Coin collection funnels different heights: 9, 16, 25 mm (Fig. 2).
- RM924-2 display (Fig. 3).

### TECHNICAL FEATURES

POWER SUPPLY	12÷24 Vdc ±10% - 12÷24 Vac ±10%
SIZE (mm) and WEIGHT	102 x 89 x 52 - 185 gr
RECOGNITION CHANNELS	UP TO 59, POSSIBLE TO REDIRECT ALL TO EXITS. THE 6TH CHANNEL IS USED FOR THE SELF-PROG MODALITY
COIN ACCEPTANCE (mm)	DIAMETER 16 ÷ 31.5 - THICKNESS UP TO 3.3 mm
WORKING TEMPERATURE	0÷55°C - 10÷75% - OF NON CONDENSED HUMIDITY
OUTPUTS	RELAY EXITS - POWER SUPPLY RANGE 2A/30Vdc o 0.5A/125VAc
CONSUMPTION	AT 12VDC: <i>Min:</i> 35 mA (ALL AT STAND-BY, WITHOUT DISPLAY) - <i>Max:</i> >410 mA (RELAY AND SOLENOID ACTIVE, DISPLAY CONNECTED) A 24VDC: <i>Min:</i> 20 mA (ALL AT STAND-BY, WITHOUT DISPLAY) - <i>Max:</i> >650 mA (RELAY AND SOLENOID ACTIVE, DISPLAY CONNECTED)
IN ACCORDANCE TO THE REGULATIONS	EN 61000-6-3: RELATIVE TO EMISSION EN 61000-6-1: RELATIVE TO EMC EN 55022: RELATIVE TO DISTURBANCE IMMUNITY AND RADIO INTERFERENCE EN 60950: RELATIVE TO SECURITY

### TOOLS



The software used for programming, configuration and diagnostics.



### COIN TUNING FILES AND / OR FIRMWARE UPDATING

They can be downloaded free of charge directly on the Comestero web site, download area.

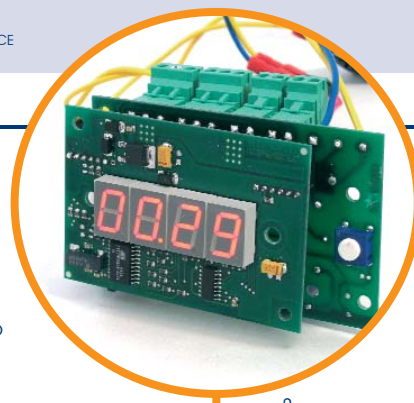


Fig. 3

**Comestero**  
*group*

Via M. Curie, 8  
20060 GESSATE (MI) Italy  
Tel. +39/02/95781111 - Fax +39/02/95380178  
[www.comestergroup.it](http://www.comestergroup.it)  
[comestero@comestergroup.it](mailto:comestero@comestergroup.it)

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