

Timebox S 1-line pay-for-time system

Operator's manual

Rev. 1.03



Operator's manual

CE

Alberici[®]
CASH SOLUTIONS

Progettazione e produzione di sistemi di pagamento e accessori per macchine Gaming, Vending e Car-Wash

Via Cà Bianca, 421 - 40024
Castel San Pietro Terme (BO) - Italy

Tel.: +39.051.944300
Fax.: +39.051.944594

Web: www.alberici.net
E.mail: info@alberici.net

NOTICE

This manual has been prepared with the utmost care. Nevertheless, it is not possible to assure at any time the exact correspondence of the descriptions to the product features. Alberici SpA shall not be held liable by the User for any damage, losses, or third party claims arising from any uses of the manual or of the product.

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STORICO REVISIONI			
Revisione n°	Data	Modifica	Note
Creazione 1.00	06.11.08	Creazione	
Rev. 1.01	12.03.10	Aggiunto comando a contatto pulito	
Rev. 1.02	23.06.14	Scheda MKII	
Rev. 1.03	22.07.15	Cambio frontespizio	

Dear Customer,

we would like to thank you and congratulate for your choice. We trust that you will appreciate the quality and performance of the Alberici TIMEBOX S.

This unit operates by cctalk protocol, the serial communication mode that provides security and precision.

Please read carefully this handbook, to obtain the most from your TIMEBOX S Unit

1. Package content

The set includes:

1. Timebox unit
2. This manual

This product has been packed with the utmost care. If you receive it damaged or incomplete, please notify immediately your findings to the Carrier, and collect it only under conditional signature.

2. Product description

2.1 Intended use

The TIMEBOX allows to purchase a pay-for-time service. Price for service can be set at any time, by programming the included electronic coin acceptor, by using K-P2C-000002 programming kit. In the same way, service time can be set from 100 msec (pulse) up to several hours (time span). The programming software allows to set the time as fixed time span against credit, or as time accumulator according to the additional coins introduced during operation.

The unit can be installed outdoor, provided it is located in a position conveniently sheltered from unfavourable weather conditions.

2.2 Available functions

- Payment and automatic activation of service
- Accounts audits from coin acceptor software
- Ad libitum Custom configuration of price and time

2.3 General specs

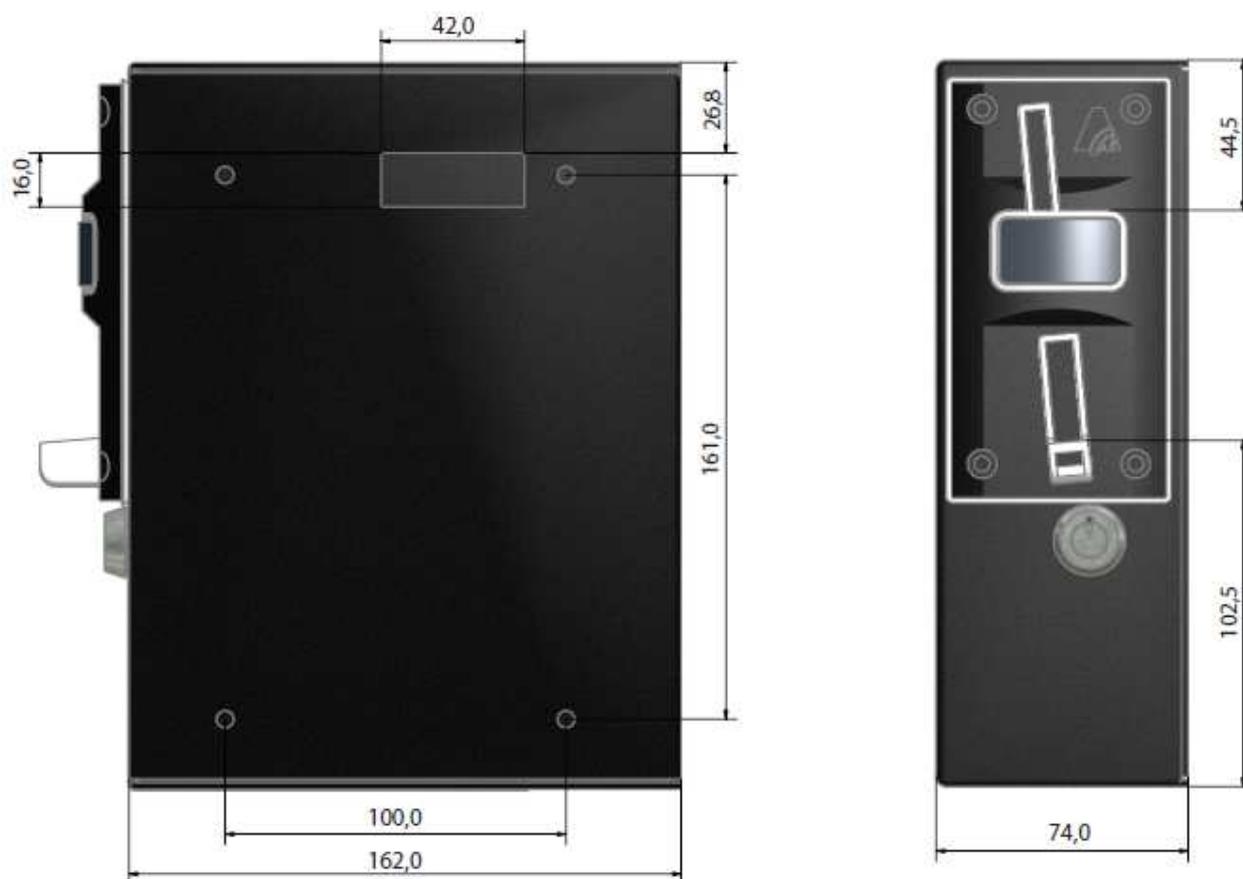
Size:	125 mm x 116 mm x 390 mm
Weigh:	5,50 Kg.
Power supply:	230Vac or 24Vac or +24Vdc or 12Vdc (must be detailed when placing the order)
Highest current at relay contacts:	8 Amps
Working temperature:	+10°C ÷ +50°C (humidity 10% ÷ 70% non-condensed)
Installation:	Wall-mount, indoor or outdoor (sheltered against water, sprays, direct sunlight)
Components:	
Coin acceptor	AL55S, programmed as Timer (one-shot or progressive)
Interface service board	Servo-board MKII

2.4 Caution



- 1 - Comply with the instructions in this manual
- 2 - Switch power off before any maintenance operation
- 3 - Use only within the recommended temperature/humidity range
- 4 - Do not expose the machine to direct sun light,
- 5 - Do not favour contact with dusts or chemical moisture or sprays, water or other liquids
- 8 - Wipe clean by a dry piece of cloth (or slightly wet with alcohol)
- 9 - Do not use thinners or organic solvents

3. Size



4. Electrical connections



Electrical cables must not be powered during installation!

The TIMEBOX S is available for 4 different power supply values: 230Vac, 24Vac, 24Vdc, 12Vdc. When placing your orders, please specify which presetting you need: the interface Servo-board shall be prepared accordingly.

The interface Servo-board is used to produce 12Vdc power to the coin acceptor, and to provide as well the relay dry contact when the coin acceptor sends out the credit signal.

A 10p flat cable connects the acceptor to the Servo-board.
This one is also connected to the Timebox chassis by a Ground terminal.

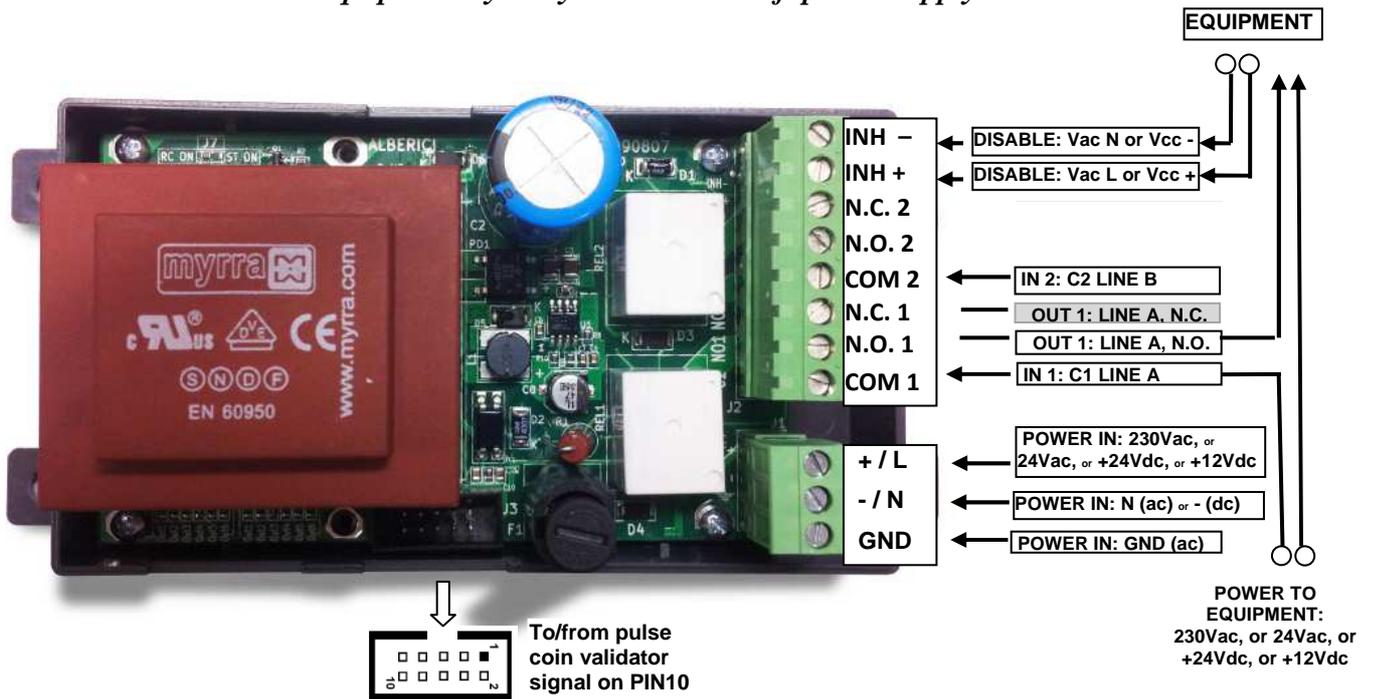
Power the Servo-board on the 3p socket J1, according to the following pattern:

	230 Vac	24Vac	24Vdc	12Vdc
Pin 3:	line 230Vac	line24Vac	+24Vdc	+12Vdc
Pin 2:	neutral	neutral	0Vdc	0Vdc
Pin 1:	GND	GND		

It is possible to disable coin acceptance in any of the following two ways:

- Electronically - Pins 7/8 of green connector J2: provide any Vdc (+) or Vac (line value) to pin 7, and respectively 0Vdc (-) or Neutral Vac to pin 8.
- Mechanically - move to OFF the dip-switches located on the coin acceptor. Move them back to ON when you want to resume coin acceptance.

Connections to start the equipment by relay transmission of power supply:

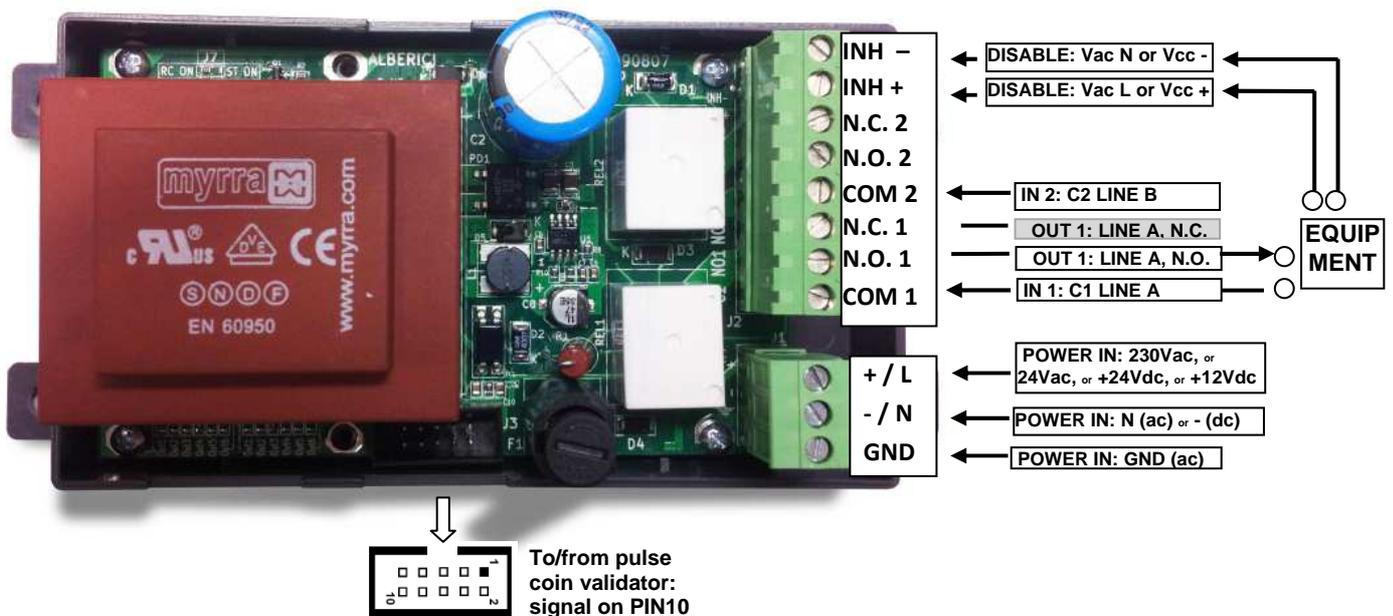


Connect one end from power supply straight to the actuator i.e electrical motor, solenoid, a.s.o.). Connect the other one to pin 1 (COM 1) of J2 connector.

If operation mode is “normally open”, take a wire to the actuator from pin 2 (N.O. 1). These wires must be able to sustain 10 Amps current draw.

If operation mode must be “normally closed”, take a wire to the actuator from pin 3 (N.C. 1).

Connections to start the equipment by one clean relay switch:



Take a wire to the actuator from pin 1 (COM 1) of the J2 connector.

If operation mode is “normally open”, take another wire to the actuator from pin 2 (N.O. 1).

If operation mode must be “normally closed”, take such wire from pin 3 (N.C. 1).

5. Operation

Drop coins in until the credit value demanded for starting service is obtained.

When totalizing the requested amount, the coin acceptor will start a pulse signal that will generate current passage between COM1 and N.O.1, while switching open between COM1 and N.C.1.

The pulse will last as long as the time programmed in the coin acceptor, corresponding to the service price set. The relay contacts will remain activated as long as such pulse lasts.

6. Disposal of the product

	<p>WARNING! DISPOSE OF ACCORDING TO THE GOVERNING LAW IN YOUR COUNTRY!</p> <p>This equipment may not be treated as household waste. Instead, it must be handed over to the applicable collection point for the recycling of electric and electronic equipment. By ensuring that this product is disposed of correctly, you will help to prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.</p> <p>For more detailed information about recycling of this product, please contact the Dealer where you purchased this product.</p>
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7. Terms of Guarantee

The manufacturer will fix malfunctions arising from production faults in this machine or parts of it within 12 months from the date of sale.

All communications referring to guarantee repairs or replacements must be accompanied by the product serial number and the copy of the sale invoice.

To obtain your guarantee repair, please send the part to the Dealer where you purchased the machine, together with the following documents:

- copy of the sale invoice
- delivery note stating "returned for guarantee repair"
- detailed report of the problem found and the circumstances in which it occurs.

Before sending the product, please get in touch with your Dealer or with Alberici S.p.a. (+39 051 944300); very malfunctions can be fixed via a simple phone call, saving you costs and time.

Alberici S.p.a. will verify that warranty is applicable, i.e. that problem is not caused by:

- transport damages
- damages from incorrect installation or wrong configuration
- installation in premises or areas not complying with the prescribed safety requirements
- intentional or unwilled tampering
- wrong or careless use or maintenance
- non-compliance with precautions prescribed (see Chapter 4. Caution)
- natural disasters, vandalisms, intentional or unintentional damage

Guarantee is considered automatically expired if outer and inner labels are missing.

Transport costs of repaired products are at the Customer's charge.

8. Customer Service

Alberici S.p.a. will be pleased to offer all the necessary information on use, ordinary maintenance and technical service. Please call (+39) 051 944300 and specify if your request concerns information on use or technical support.



DICHIARAZIONE DI CONFORMITÀ



DIRETTIVA 2006/95/CE - DIRETTIVA 2004/108/CE

La ditta Alberici S.p.A., avente sede in via Ca' Bianca 421, 40024 Castel San Pietro Terme (BO) – Italia,

DICHIARA

Che il sistema classificato nella famiglia di prodotto **apparecchio elettrico d'uso domestico e simile – attivatore temporizzato**, identificato univocamente da:

Modello	Configurazione	Tipo	N° di Serie e/o matricola
TIMEBOX	<input type="checkbox"/> B	<input type="checkbox"/> 230 V c.a.	-----
	<input type="checkbox"/> S	<input type="checkbox"/> 24 V c.a.	
		<input type="checkbox"/> 24 V c.c.	
		<input type="checkbox"/> 12 V c.c.	

essendo realizzato conformemente al modello campione testato con esito positivo ai fini EMC e LVD (rapporto 4564ce2.doc del 18 Settembre 2007), dalla STP S.r.l., con sede legale in via Cervese, 373, 47521 Cesena (FC), Italia e sede operativa in via San Donnino, 4, 40127 Bologna (BO), Italia, risulta essere conforme a quanto previsto dalle seguenti direttive comunitarie:

- a) le norme armonizzate (per i punti applicabili):
- CEI EN 55014-1 (CEI 110-1);
 - CEI EN 55014-2 (CEI 210-47);
 - CEI EN 55022 (CEI 110-5);
 - CEI EN 55024 (CEI 210-49);
 - CEI EN 60065 (CEI 92-1);
 - CEI EN 60335-1 (CEI 61-150);
 - CEI EN 60335-2-82 (CEI 61-226);
 - CEI EN 60950-1 (CEI 74-2);
 - CEI EN 61000-3-2 (CEI 110-31);
 - CEI EN 61000-3-3 (CEI 110-28);
 - CEI EN 61000-4-2 (CEI 210-34);
 - CEI EN 61000-4-3 (CEI 210-39);
 - CEI EN 61000-4-4 (CEI 210-35);
 - CEI EN 61000-4-5 (CEI 110-30);
 - CEI EN 61000-4-11 (CEI 110-29);
 - CEI EN 61000-6-1 (CEI 210-64);
 - CEI EN 62233 (CEI 61-251).
- b) In conformità ai requisiti essenziali di sicurezza della Direttiva Bassa Tensione:
- 2006/95/CE del 12 Dicembre 2006;
 - L. 791 del 18 Ottobre 1977 e s.m.
- c) in conformità ai requisiti essenziali di sicurezza della Direttiva Compatibilità Elettromagnetica:
- 2004/108/CE del 15 Dicembre 2004;
 - D.Lgs. 194 del 06 Novembre 2007.

Che conferiscono la presunzione di conformità alla Direttiva 2004/108/CE

Castel San Pietro Terme (BO), Italia li, ___ / ___ / _____

ALBERICI SPA
Via Miglioli, 2
Federico Alberici
P. IVA Il Presidente

Alberici S.P.A.

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Via Ca' Bianca 421, 40024 Castel San Pietro Terme (BO), Italia

Telefono: +39-(0)51-944300 r.a. – Fax: +39-(0)51-944594 – P.Iva: 00627531205

E-mail: info@alberici.net – Url: <http://www.alberici.net>



NOTICE

Alberici S.p.A. reserves the right to modify at any time and without notice the technical specs of the unit, to the aim of continually pursuing the improvement of the product.



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Via Ca' Bianca 421
40024 Castel San Pietro
Terme (BO) – ITALY

Tel. + 39 051 944 300
Fax. + 39 051 944 594

<http://www.alberici.net>

info@alberici.net