



Universal MKII Controller

Prepaid Access Coins and Tokens

APPLICATIONS

The Universal MKII Controller is a reliable and cost effective coin-operated device for control and revenue earning applications associated with upfront payment requirements.

Coinboxes are designed to allow pre-payment within the service industry. Users insert a combination of coins and/or tokens in order to gain access through a turnstile, vehicle boom or electrical gate. Users must insert a predefined "entry fee" to gain access through the paypoint.

The Unit is available in 3 distinct models:

UNIVERSAL MKII-MA:

Accepts multiple coin / token denominations.

UNIVERSAL MKII-MA/D:

Accepts multiple coin / token denominations + Credit Display.

UNIVERSAL MKII-SA:

Accepts only one coin / token denomination.

FEATURES

- Maintenance free operation
- Ease of use
- Controlled by a high performance 8 bit Microprocessor
- Innovative coin measuring system
- Integral safety functions ensure a high protection against fraud
- Compact design
- Compatible to a range of access control devices
- Universal can be configured for coins and/or tokens
- Self-diagnostic on power up

INTERFACE

The Universal MKII Controller employs an 8 bit Microprocessor running at 4 Mhz.

Enhanced features ensure a high level of reliability, coupled with robust functionality.

The CPU (Central Processing Unit) manages the activities of all hardware components within the coinbox, namely the coin mechanism and credit display, service key switch and the application interface.

The in-house development, manufacture and assembly of the Universal MKII Controller allows for the design and implementation of added functionality specific to a client's particular requirements – contact Plankomat for your additional requirements.

Standard Interface: Potential free relay contact (Normally Open), when activated relay contact closes for 1 second.

OPERATION

- Equipped with latest compact electronic coin mechanism, allowing single or multiple coin insertion, individual coin blocking and price settings both done via dip switch on site, without the need for a programming module.
- The steel housing incorporates a separate lockable cash box, Central Processing Unit (CPU), Interface logic, single or multiple coin mechanisms and override key switch facility for service mode or free vend.
- Coins are inserted in a single coin slot, located on the front panel. Reject coins are rejected via a reject knob and returned to the reject cup below.
- The unit automatically accumulates credit upon insertion of any combination of coins.
- When credit value is reached, output is triggered.



TECHNICAL SPECIFICATIONS

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|-------------------------|---|
| • Type: | Universal MKII Controller |
| • Function: | Coin-operated access control device |
| • Electronics: | Microchip 8 bit Microprocessor |
| • Memory: | EEPROM for credit backup |
| • Operating Conditions: | 20% - 80% Relative humidity |
| • Temperature Range: | + 10 °C to + 50 °C - standard |
| • Coin Acceptance: | Multiple: R5 / R2 / R1 / 50c / 20c / 10c / 5c and 25mm non-grooved nickel plated tokens |
| | Single: As above, limited to a single denomination |
| • Coinbox Dimension: | H390 W160 D160 mm |
| • Weight: | Approx 5 kg |
| • Supply Voltage: | +24V DC / 1 AMP (Fused at 630ma) |
| • Use: | Controlled areas only – no direct rainfall |

Subject to change without notice

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