



## Universal Hopper Mk4

The Universal Hopper Mk4 is the latest evolution coin hopper from Coin Controls. It combines all of the field proven facilities of its predecessors with the latest advances in coin handling technology.

The enhanced specification means that the Mk4 hopper can handle a greater range of coins including coins with holes as standard, together with a precise counting method. The refined design of the exit window gives higher resistance to coin spillage and there is easier serviceability with improved access to PCB's and optos. The Mk4 is compatible with existing installations and can be retrofitted, without modification, to host machines. Where applicable Mk4 models are fully compliant with EC directives as they relate to electro-magnetic emissions and susceptibility.

Other features include; safe 24 Vdc operation, anti-jam facility with intelligent auto-reverse, in-built coin agitator and full and high level sensing options. Mk4 hoppers are equipped to facilitate different modes of operation as standard allowing direct power, logic or impulse control.

The Mk4, developed and introduced in response to the requirements of the market, is a truly international product engineered to ensure that customers continue to receive the best possible hopper for the application.



**Smoother drive for better coin pick up.**

**Designed to comply with relevant EC directives.**

**Ability to handle a greater range of coins.**

**Improved access to PCB's and optos for easier serviceability.**

# Universal Hopper Mk4 Specification

**Dimensions:**

Height: 285.5mm  
Width: 125.5mm  
Length: 238mm  
Weight(empty): 2.3kg

### Power Requirements:

(Motor)  
24 Vdc nominal  
Maximum ripple voltage:  
+3V/-10V  
Absolute maximum: 27Vdc  
(Damage will occur above this  
level)  
Minimum: 18Vdc

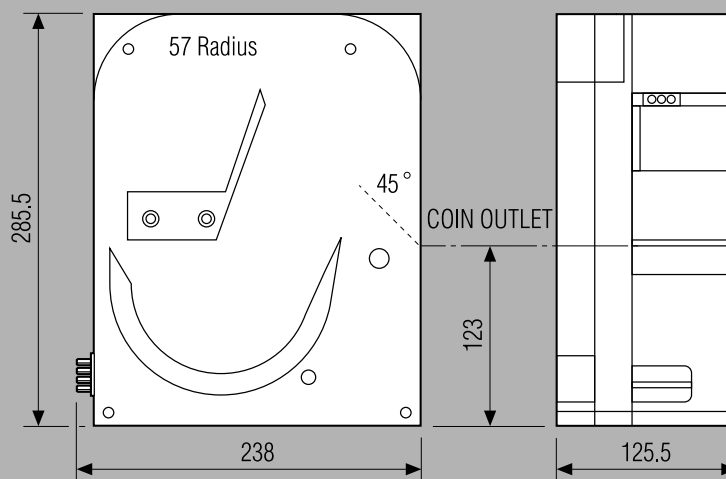
**Current Consumption:**

Nominal running: 0.5A  
Nominal reverse: 1.0A  
Nominal cut-out  
during reverse: 1.5A  
Nominal start-up: 3.0A  
Hopper stand-by: 0.02A

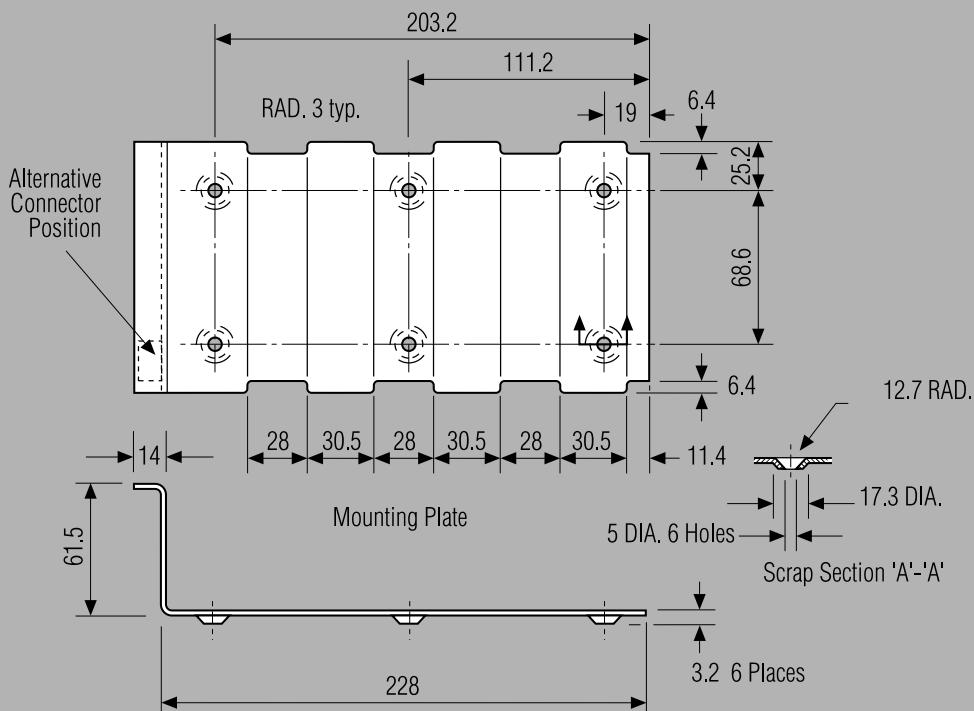
**Coin size:**

Standard  
21mm - 31mm diameter  
1.00mm - 3.5mm thickness  
Optional (small coins)  
16mm - 21mm diameter  
1.00mm to 3.5mm thickness  
Any coins falling outside of the  
above ranges require  
qualification

## OVERALL DIMENSIONS



## HOPPER MOUNTING PLATE



All dimensions in mm

### Ordering:

When ordering it is essential to specify the required location and type of the 12 way connector ie green or black. This can be positioned opposite the exit window (the standard build), or adjacent to the exit window.

*IMPORTANT: When ordering Universal Hopper Mk4 as a replacement for MkII or MkIII please specify which version is being replaced.*

Coin Controls has a policy of continual product evaluation and improvement, which means that the equipment supplied may vary in some respects to the specification.

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