Compact hopper range



Made with high-performance engineering plastics, the **Compact Hopper Range** is a high-security, high-speed, single-denomination coin payout unit with a range of bowl configurations offering a large capacity within a small footprint, which means that it can be fitted in many applications, including retrofit. With almost a million units already supplied to the amusement, ticketing, banking (ATMs), post office, change and specialist-vending markets, its anti-jam, field-proven reliability is second to none, making it the industry standard.

COMPACT HOPPER RANGE



If security, speed and reliability are important qualities for your product, then the Compact Hopper Range represents a first choice for virtually all applications.

Key Benefits – general

	Resistant to fraud, high security
	Suitable for multiple applications
	Field-proven reliability – almost 1million supplied worldwide
	Optimum in-service time
	Truly global – handles 95% of world's coins
	Fast payout – end-user satisfaction
	Easily extendible coin capacity
	One Euro Build.
ζ ε	ev Benefits – serial

Much higher level of security Audits the number of coins paid out Detailed monitoring of product performance.

Key Features – general

- Small footprint Multiple optical sensors and stealth light guide
- Auto-reverse for jam clearance
- High- and low-level sensing
 Interchangeable discs for
- different-size coins

 Range of discs to suit different
- geographic regions
- Range of bowl options Standard Bowl, Extended Bowl, High Capacity Bowl, Square Bowl and Base
- Fast payout, in 'single' or 'stream' mode
- Choice of ccTalk serial interface or standard parallel interface.

Key Features – serial

- ccTalk serial interface, with encryption
- Secure coin payout system
- Built-in coin counter
- Comprehensive diagnostics and error reporting
- Recovery of payout information after power failure.

DATA SHEET

Compact hopper range

The Compact Hopper Range is suitable for 95% of the world's coins, including a specific Euro build covering 50¢, €1,€2 coins. Reliability is maintained with the unique automatic clearance of jams, usually due to damaged coins, by temporarily auto-reversing the motor. Payout is fast and can be in 'single' or 'stream' mode, at a payout rate of up to 10 coins per second, and can be from either a side, rear or front exit, selected by simple orientation of the motor assembly within the modular construction. The range includes the Standard Bowl, Extended Bowl, High Capacity Bowl, Square Bowl and Base. These meet the increasing need for greater flexibility and capacity making the **Compact Hopper Range** suitable for use in a wide range of machines.

The Compact Hopper Range offers a choice of interface: The ccTalk serial interface option, the most secure hopper interface available in its class today, offers increased security, improved diagnostics and more detailed error & status reporting – a major benefit for network-managed machines. Encrypted payout commands prevent fraudulent activity, while multiple optical sensors and a stealth light-guide (additional security against external light sources) ensure the correct number of coins is paid out. Security can be enhanced with an option to clamp the motor windings during its idle state to prevent it from being driven by unauthorised power sources. A built-in coin counter allows the serial hopper to record and audit the total number of coins dispensed, details of which can be communicated to the host machine using ccTalk. Alternatively, for situations where a serial interface host is not available, the hopper can be supplied with a standard parallel interface.



-			
	Standard-size bowl:		
	Height	150mm (5.9")	150mm (5.9")
	Width	99mm (3.9")	85mm (3.4")
	Depth	145mm (5.7")	145mm (5.7")
	Weight	570grams (20oz)	570grams (20oz)

280 x €1, 260 x £1, 370 x US 25¢

Dimensions			Side pa	yout		Rear pag	yout
Extende	d bowl:						
	Height		150mm	(5.9")		150mm	(5.9")
	Width		85mm	(3.3")		85mm	(3.3")
	Depth		158mm	(6.4")		158mm	(6.4")
	Weight		560grams	(19oz)		560grams	(19oz)
Coin Capacity							
		365 x €1, 350 x £1, 480 x US 25¢					

Dimensions	Side payout	Rear payout	
High Capacity bowl:			
Height	150mm (5.9")	150mm (5.9")	
Width	172mm (6.7")	172mm (6.7")	
Depth	147mm (5.78")	147mm (5.78")	
Weight	640grams (22oz)	640grams (22oz)	
Coin Capacity			

750 x €1, 600 x £1, 900 x US 25¢

Dimensions	Side payout	Rear payout		
Square bowl & base:				
Height	150mm (5.9")	150mm (5.9")		
Width	115mm (4.5")	115mm (4.5")		
Depth	121mm (4.8")	121mm (4.8")		
Weight	570grams (20oz)	570grams (20oz)		
Coin Capacity				
Square bowl	360 x €1, 335 x £1, 475 x US 25¢			
with 1x Extension bowl	640 x €1, 600 x £1, 850 x US 25¢			
with 2x Extension bowls	920 x €1, 860 x £1, 1,200 x US 25¢			



Optional Features

- Ouick-fit & quick-release baseplate
 - Range of rear-exit chutes
 - Splash guard
 - Active motor clamp during idle state (serial only)
 - PIN code protection (serial only)
 Range of bowl configurations -Standard Bowl, Extended Bowl,
 - Standard Bowl, Extended Bowl, High Capacity Bowl, Square Bowl and Base.



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Technical Data Summary

Coin Dimensions				
Diameter	15 – 29.5mm (0.591" – 1.162")			
Thickness	1.25	5 – 3.2mm (0.050	0" – 0.126")	
Coin Payout Rate				
Stream mode	8 – 10 coins per second			
Single mode	1 coin per half-second			
Environmental				
Temperature Range: Operating	0°C to 60°C			
Storage	-20°C to 70°C			
Humidity Range:	Ur	condensing		
Electrical Interface	Par	allel	Serial	
Voltage: Nominal	12Vdc	24Vdc	24Vdc	
Minimum	10Vdc	19Vdc	19Vdc	
Maximum	14Vdc	26Vdc	26Vdc	
Current: Typical (empty bowl)	0.60A	0.35A	0.35A	
Typical (full bowl)	1.50A	0.90A	0.90A	
Surge (auto-reverse)	5.00A	3.90A	3.90A	
Communications Interface				
	Standard parallel		ccTalk serial	
	(RS		(RS232-based)	
Security				
Optical protection	Multiple sensors and stealth light guide		Multiple sensors and stealth light guide	
Motor protection (optional)	n/	Motor clamped during idle state		
Protection against unauthorised use of hopper (optional)	n/a PIN code activation			

For full technical details please refer to the appropriate Technical Manual. **E-mail: technical.uk@moneycontrols.com**

For further information please contact your nearest Money Controls office either by telephone, e-mail or fax. Alternatively, you can visit our website where you will find a wide range of information on our company and products:

www.moneycontrols.com

COMPACT HOPPER RANGE