



**The low-cost and highly reliable C120 range of electronic coin acceptors represents a first choice for low-risk amusement, vending, video and telecom applications where the additional security and functionality offered by the SR Series acceptors are not required.**

## Key Benefits

- Suitable for multiple applications
- Easy to implement
- Low-cost, high-reliability solution
- Backward compatible with equivalent acceptors.

## Key Features

- True 12 coin acceptance
- Two banks of 6 coin windows or one bank of 12
- Industry standard body size 3.5" x 4.0" (89mm x 102mm)
- Individual coin inhibit
- Industry standard interface – 10-pin parallel
- Front plate or channel mounting option
- Diagnostic testing via DIL switch.

The **C120** electronic coin acceptor was introduced as an advanced replacement for the ageing 3.5" mechanical coin acceptors. With its low cost and high reliability it was soon well-proven to become the industry workhorse, resulting in almost half a million units being supplied worldwide to date. The standard acceptor remains a first choice for low-risk amusement and vending applications, but a low-power telecom version (C120P) is also available. Both versions are particularly suited to the coin sets of Australia, Canada, the UK and the USA.

Using accurately positioned inductive sensors the **C120** can determine authenticity and denomination of up to twelve different coins or tokens, ranging from 15 mm to 31mm in diameter. The reference data used for coin discrimination can be configured in two ways: one bank of twelve acceptance windows or two banks of six. The latter allows acceptance of both old and new coins or even two currencies at the same time. But the main advantage of the two-bank arrangement is the increased security, where needed. This is achieved by configuring 'standard' and 'secure' levels of acceptance windows, in which individual coins are set up with different limits of acceptance. By selecting the 'secure' window, with its narrower acceptance limits, in place of the 'standard' window, a fraud can be squeezed out to maintain acceptor integrity. Additionally, individual coins can be inhibited from normal acceptance to give operational flexibility and enhanced security when needed.

The **C120** offers the standard 'accept' and 'reject' paths' arrangement, and the **C120R** offers the reversed arrangement to suit.

**For a full range of options and modes, please refer to the appropriate Technical Manual.**

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<b>Dimensions</b>	
Height	102mm (4.0")
Width	89mm (3.5")
Depth	52mm (2.0")
<b>Coin Size</b>	
Diameter	15 – 31mm (0.591" – 1.221")
Thickness Range	1.25 – 3.3mm (0.050" – 0.130")
<b>Environmental</b>	
Temperature Range: Operating	0°C to 55°C
Storage	-30°C to 55°C
Humidity Range:	Up to 95% RH non-condensing
<b>Electrical Interface</b>	
Voltage: Nominal	12V – 24Vdc
Minimum	11Vdc
Maximum	28Vdc
Current: Typical	50mA
Maximum	300mA
<b>Communications Interface</b>	
	Standard parallel
<b>Orientation</b>	
	The C120 acceptor must be positioned no more than 2 degrees from the vertical in any plane.
<b>Compatibility</b>	
	Backward compatibility can be achieved for most 3.5" mechanical and equivalent electronic acceptors, subject to application testing. Further details upon request.
	For full technical details please refer to the appropriate Technical Manual. <b>E-mail: <a href="mailto:technical.uk@moneycontrols.com">technical.uk@moneycontrols.com</a>  <a href="mailto:technical.usa@moneycontrols.com">technical.usa@moneycontrols.com</a></b>

## Optional Features

- C120R – reversed 'accept' and 'reject' paths' arrangement
- Front plate, buttons and reject cups
- C120P – for telecoms low-power applications