Microcoin® SP115-BC

www.microcoin.com

115mm face plate.

Ultra-compact.

Stylish and appealing design.
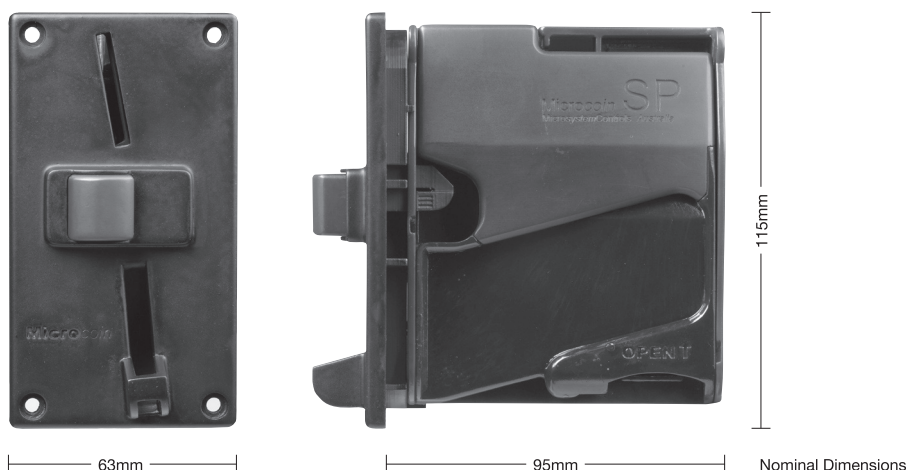
Unique "Parallel Path" debris release.

Eliminates Thai burned coins.

Astrosys International Ltd

Microcoin® SP115-BC

63mm | 95mm | 115mm | Nominal Dimensions

Microcoin

Microcoin represents a range of highly innovative and successful coin acceptors which has provided coin handling solutions to the coin-op industry for over ten years.

With a strong focus on research and development, Microcoin continues to set new standards for the coin validation industry, delivering market specific, innovative solutions which:
• optimise coin acceptance whilst minimising fraud,
• eliminates the acceptance of Thai black and burned coins
• meet required industry standards,
• offer client support & diagnostics software packages

Microcoin SP

The Microcoin SP is a stylish, space saving coin acceptor, delivering a tailored solution for short profile, front entry applications, where space and cost savings demand minimisation.

The SP-BC validator has been specifically re-engineered to address the needs of the Thai market by introducing a complex validation system which eliminates black and burned coins.

This unique and patented technology distinguishes blackened coins as a precursor to the SP's standard coin validation.

Support

Backed by dedicated teams of research and development engineers, sales professionals and support staff, the Microcoin product is our commitment to a vision of product excellence and customer satisfaction.

The Company

Astrosys International Ltd specialises in the design, manufacture and distribution of the Microcoin coin validator and GBA bank note reader. It supports its products with ISO9001 certified manufacturing plants and an international network of offices and market representation in Australia, Hong Kong, the United Kingdom, the USA.

www.microcoin.com

Micro*coin* SP

Micro*coin* SP

Product Bulletin
Features & Benefits

The Microcoin SP electronic coin validator is a stylish, space saving coin acceptor, delivering a tailored solution for short profile, front entry applications, where space and cost savings demand minimisation.

The SP is unique in its approach to design, technology and operation but does not compromise on function and performance

It has a radically stylish and appealing design, which houses several patented features such as its unique and revolutionary "parallel path" debris release system

At 155mm and 115mm in height respectively, the SP can be fitted to two traditionally dimensioned faceplates, which boast unique reject actions and secure fastening techniques.

The Microcoin SP is a global product, with the ability to work with international currencies and any application which requires its unique features

Microcoin SP validator

Features	Benefits
Uses patented coin validation technology	Superior coin & token discrimination Less frauds
16 coin categories	Can be programmed to hold up to 16 coins/tokens at any one time.
Hinged Housing Design	The housing may be completely opened to allow full access to the entire internal coin path for cleaning/debris clearance
Patented "Parallel Path" Debris Release system	The entire SP housing splits apart in a parallel action to clear most debris jams with a push of the reject button.
SPTalk customer programming	Flexibility to program in the field Do not need to return validator to manufacturer for reprogram End user can support product Potential to download new coin configuration data via the Internet
On board programming	Easy to use No tools required • Adjust "Credit" value • Adjust coin sensitivity • Program up to 3 coins/tokens • Enable/disable coins
High Coin Acceptance	Superior performance No user frustration with slow coin feed rates
Mechanical Dimensions	Standard 3.5" mechanical space
Standard interfaces	Provides standard 10 pin IDC parallel interface Provides credit (accumulator) operation
Serial Communications	SP can communicate via CCTalk protocols directly to a host machine, providing operational and audit information unheard of with standard parallel communications.

Anti-stringing protection	Electronic and mechanical anti-stringing features are incorporated into the Microcoin SP to prevent strimming attempts. 1. Mechanical gate 2. Electronic direction sense 3. Inhibit timer after a strim is detected
Global applications	With the availability of world-wide coin configurations and standard faceplate fittings, the SP is suitable for global applications as "one product suits all"

SP 115 and 155 Faceplate

Features	Benefits
Unique SP validator attachment	A simple "clip-on" action to attach the SP validator • Easy • Secure • Cannot be dislodged
Industry Compatible Faceplates	Retrofittable to most competitors Conforms to defacto industry standard dimensions Provides compact and ultra compact solutions • 155mm high compact • 115mm high ultra compact
Coin-in detect	Used for low power applications such as pool table battery operated systems. Allows Microcoin SP to remain dormant until a coin-in is detected.
Appearance	A stylish, appealing design which adds value to the host machine aesthetics

Microcoin SP

GENERAL DETAILS

DC Power Supply :   OR   **AC Power Supply:**
12-24 Vdc regulated   12-24 Vac Nominal
Range: + 11.5 to + 24 VDC   Range: 12-32 Vac
Quiescent current: 100 mA @ 12.0 Vdc
Peak current: 500 mA @ 12.0 Vdc

Coin Output:
The Coin credit pulse(s) can be assigned to any output line. Typically lines 1 to 5
Pulse width & duty cycle are programmable. Tolerance + 2mSec, - 2mSec
Logic   Open Collector NPN, 200 mA

Enable/Inhibit Input:
The following SP Inhibit logic states and voltage limits can be set under software.
                    Default State
Inhibit $2.0v < V_{inh} < V_{in}$ Supply
Enable V_{inh} < 0.8v or not connected

Credit Output :
The Credit, (or Accumulator output) can be assigned to any output line. Typically line 6
Logic   Open Collector, NPN 200mA

Alarm Output :
The Alarm output can be assigned to any output line. Typically line 7
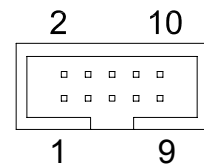Logic   Open Collector NPN, 200mA

Sorter Output :
The Sorter output can be assigned to any output line. Typically lines 8,9&10 on the Utility Port
Logic   Open Collector NPN, 200mA
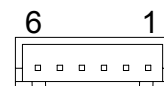
10 WAY IDC PARALLEL PORT DESCRIPTION

Pin No.	Industry Standard	SP Standard with Credit
1	0Vdc (Neutral-ac)	0Vdc (Neutral-ac)
2	+Vdc (Active-ac)	+Vdc (Active-ac)
3	Coin 5 Output	Coin 5 Output
4	Coin 6 Output	Credit Output (or Coin Output 6)
5	Alarm	Alarm (or Coin Output 7)
6	Inhibit	Inhibit
7	Coin 1 Output	Coin 1 Output
8	Coin 2 Output	Coin 2 Output
9	Coin 3 Output	Coin 3 Output
10	Coin 4 Output	Coin 4 Output

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  2          10
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 │ □ □ □ □ □ │
 └───────────┘
  1          9
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Connector to suit:
10 Pin 0.1" IDC

6 PIN JST UTILITY PORT DESCRIPTION

Pin No.	SP Standard with Sorter
1	Vin Refer Model Description
2	Not Used
3	Sort Output 1 (or Output Line 8)
4	Sort Output 2 (or Output Line 9)
5	Gnd.
6	Sort Output 3 (or Output Line 10)

```
  6        1
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Connector to suit:
JST – XH-6