

# SR5 Modes Appendix



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# Index

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Mode 1 .....	3
Mode 2 .....	4
Mode 3 .....	5
Mode 4 .....	6
Mode 5 .....	7
Mode 6 .....	8
Mode 7 .....	9
Mode 8 .....	10
Mode 9 .....	11
Mode 10 .....	12

## Diary Of Changes

Issue 1.0.....	October 2001
Issue 2.0.....	14 <sup>th</sup> March 2002
➤ Money Controls logo added.	
➤ Mode 1, 4, 6, 7 and Mode 8, Pin 1 function changed to “Ident” – updated corresponding tables.	
➤ Mode 10 C-I-M disclaimer added.	
Issue 2.1.....	6 <sup>th</sup> Sept 2002
➤ Modification to disclaimer.	
Issue 2.....	30 <sup>th</sup> June 2004
➤ Changed footer	

# SR5 Mode 1

**Mode 1**

**Introduction**

The SR5 Mode has been designed to be backwards compatible, form fit and function, with the standard C435 coin acceptor.

**Identifier**

A mode 1 SR5 is denoted by the 01 as shown in the example below.

Config No. e.g. B5 **01** DFGB00014

**Interface Details**

Pin No.	Function		Input / Output / Power
	Dedicated	Binary	
1	Accept 6	Ident	Output
2	Accept 5		Output
3	Com A		Input / Power
4	Accept 1		Output
5	Key		
6	Accept 2		Output
7	Accept 3		Output
8	Select Line		Input
9	Accept 4		Output
10	Inhibit 4		Input
11	V supply		Power
12	0V		Power
13	Inhibit 3		Input
14	Inhibit 2		Input
15	Inhibit 1		Input
16	Inhibit 5		Input
17	Inhibit 6		Input
18	Inhibit 7		Input
19	Inhibit 8		Input
20	Bank Select 1		Input
21	Bank Select 2		Input

Note:

Inhibits are mapped directly from Bank 1 to Bank 2.

**Output Codes**

The **Select Line** (pin8) status determines the operating mode.

Select line >4V or O/C = **5 coin mode.**

Select line pulled to 0V = **16 coin mode.**

**5 Coin Mode**

Coin	Dedicated Outputs				
	A5	A4	A3	A2	A1
1 (9)	0	0	0	0	1
2 (10)	0	0	0	1	0
3 (11)	0	0	1	0	0
4 (12)	0	1	0	0	0
5 (13)	1	0	0	0	0
6 (14)	0	0	0	0	1
7 (15)	0	0	0	1	0
8 (16)	0	0	1	0	0

Notes:-

- i. 1 denotes output ON (active).
- ii. credit codes are repeated from 6 to 8.

**16 Coin Mode**

Coin		Binary Outputs					
		A6	A5	A4	A3	A2	A1
1	9	1	0	1	1	0	0
2	10	1	0	1	1	0	1
3	11	1	0	1	1	0	0
4	12	1	0	1	1	0	1
5	13	1	0	1	1	1	0
6	14	1	0	1	1	1	1
7	15	1	0	1	1	1	0
8	16	1	0	1	1	1	1

Notes:-

- i. 1 denotes output ON (active).
- ii. a credit is only valid when A4 is active.
- iii. A5 is active for coins 9 to 16.
- iv. A6 - Ident is ALWAYS Active.

# SR5 BACTA Mode 2

## Mode 2

### Introduction.

The SR5 Mode 2 has been designed to be compliant with the BACTA published specification on the binary interface for use in UK AWP machines.

The SR5 Mode 2 is also backwards compatible, in form, fit and function with previous C435A models designed around the BACTA Interface.

### Identifier

A mode 2 SR5 is denoted by the 02 as shown in the example below.

Config No. e.g. B5 **02** ITGB00022

### Interface Details

Pin No.	<u>Dedicated Mode</u>	<u>Binary Mode</u>
1	Accept 6 = 5p	Ident pin
2	Accept 5 = Token	Accept 5
3	Com A	Com A
4	Accept 1 = £1	Accept 1
5	Key	Key
6	Accept 2 = 50p	Accept 2
7	Accept 3 = 20p	Accept 3
8	Select Line	Select Line
9	Accept 4 = 10p	Accept 4
10	Inhibit 4 = 10p	Inhibit 4 ( <b>Reserved</b> )
11	V supply	V supply
12	0V	0V
13	Inhibit 3 = 20p	Inhibit 3 = 20p
14	Inhibit 2 = 50pN & 50pO	Inhibit Linked to 5p, 10p, 50pN & 50pO
15	Inhibit 1 = £1	Inhibit 1 = £1
16	Inhibit 5 = Tkn	Inhibit 5 = Tkn
17	Inhibit 6 = 5p	Inhibit 6 = £2

#### Note:

Inhibits are mapped directly from Bank 1 to Bank 2.

### Output Codes

The **Select Line** (pin8) status determines the operating mode.

Select line >4V or O/C = **Dedicated mode.**

Select line pulled to 0V = **Binary mode.**

### Dedicated Output Mode

Coin	Value	Dedicated Outputs					
		A6	A5	A4	A3	A2	A1
1 (9)	£1	0	0	0	0	0	1
2 (10)	50p (N)	0	0	0	0	1	0
3 (11)	20p	0	0	0	1	0	0
4 (12)	10p	0	0	1	0	0	0
5 (13)	Tkn	0	1	0	0	0	0
6 (14)	£2	-	-	-	-	-	-
7 (15)	5p	1	0	0	0	0	0
8 (16)	50p (O)	0	0	0	0	1	0

#### Notes:-

- 1 denotes output ON (active).
- £2 is inhibited.
- 5p credits on output A6.

### Binary Mode

Coin	Value	Binary Outputs					
		A6	A5	A4	A3	A2	A1
1 (9)	£1	1	1	1	0	1	0
2 (10)	50p (N)	1	0	1	1	0	1
3 (11)	20p	1	0	1	0	1	1
4 (12)	10p	1	1	1	1	0	0
5 (13)	Tkn	1	0	1	1	1	0
6 (14)	£2	1	1	1	1	1	1
7 (15)	5p	1	0	1	0	0	0
8 (16)	50p (O)	1	1	1	0	0	1

#### Notes:-

- 1 denotes output ON (active).
- a credit is only valid when A4 is active.
- A6 - Ident is ALWAYS Active.

# SR5 Mode 3

## Mode 3

### Introduction

The SR5 Mode 3 has been designed to be backwards compatible with the C420 coin acceptor.

i.e. (Coin-In-Mech = C-I-M)

4 coin mode = No C-I-M signal.

8 coin mode = No C-I-M signal.

Although the C420 could only accept 8 coins Mode 3 allows up to 16 coins to be programmed and accepted albeit with the same credit codes – see below.

### Identifier

A mode 3 SR5 is denoted by the 03 as shown in the example below.

Config No. e.g. B5 **03** DFGB00011

### Interface Details

Pin No.	Function	Input / Output / Power
1	Com A	Input / Power
2	Accept 1	Output
3	Key	
4	Accept 2	Output
5	Accept 3	Output
6	Select Line	Input
7	Accept 4	Output
8	Inhibit 4	Input
9	V supply	Power
10	0V	Power
11	Inhibit 3	Input
12	Inhibit 2	Input
13	Inhibit 1	Input
14	Inhibit 5 & 6	Input
15	Inhibit 7 & 8	Input

#### Note:

Inhibits are mapped directly from Bank 1 to Bank 2.

### Output Codes

The **Select Line** (pin8) status determines the operating mode.

Select line >4V or O/C = **4 coin mode**.

Select line pulled to 0V = **8 coin mode**.

#### 4 Coin Mode

Coin	Dedicated Outputs			
	A4	A3	A2	A1
1 (9)	0	0	0	1
2 (10)	0	0	1	0
3 (11)	0	1	0	0
4 (12)	1	0	0	0
5 (13)	0	0	0	1
6 (14)	0	0	1	0
7 (15)	0	1	0	0
8 (16)	1	0	0	0

#### Notes:-

- 1 denotes output ON (active).
- coins 1 to 4 give the same credit as coins 5 to 8, 9 to 12 and 13 to 16

#### 8 Coin Mode

Coin	Binary Outputs			
	A4	A3	A2	A1
1 (9)	1	0	0	0
2 (10)	1	0	0	1
3 (11)	1	0	1	0
4 (12)	1	0	1	1
5 (13)	1	1	0	0
6 (14)	1	1	0	1
7 (15)	1	1	1	0
8 (16)	1	1	1	1

#### Notes:-

- 1 denotes output ON (active).
- a credit is only valid when A4 is active.
- coins 1 to 8 = the same credit as coins 9 to 16.

# SR5 Mode 4

## Mode 4 Introduction

The SR5 Mode 4 has been designed to be backwards compatible with the C435 coin acceptor but with the added feature of the credit codes being selectable by the customer which must be stated at the time of ordering.

## Identifier

A mode 4 SR5 is denoted by the 04 as shown in the example below.

Config No. e.g. B5 **04** ITGB00003

## Interface Details

Pin No.	Function		Input / Output / Power
	Dedicated	Binary	
1	Accept 6	Ident	Output
2	Accept 5		Output
3	Com A		Input / Power
4	Accept 1		Output
5	Key		
6	Accept 2		Output
7	Accept 3		Output
8	Select Line		Input
9	Accept 4		Output
10	Inhibit 4		Input
11	V supply		Power
12	0V		Power
13	Inhibit 3		Input
14	Inhibit 2		Input
15	Inhibit 1		Input
16	Inhibit 5		Input
17	Inhibit 6		Input
18	Inhibit 7		Input
19	Inhibit 8		Input
20	Bank Select 1		Input
21	Bank Select 2		Input

Note:  
Inhibits are mapped directly from Bank 1 to Bank 2.

## Output Codes

The **Select Line** (pin8) status determines the operating mode.

Select line >4V or O/C = **5 coin mode**.

Select line pulled to 0V = **16 coin mode**.

## 5 Coin Mode Example

Coin		Dedicated Outputs										
		A6	A5	A4	A3	A2	A1					
1	9	0	0	0	1	0	0	0	1	0	0	0
2	10	0	0	0	0	0	1	0	0	1	0	0
3	11	0	0	0	0	1	1	0	0	0	0	0
4	12	0	0	1	0	0	0	0	1	0	0	0
5	13	0	0	0	0	0	0	0	0	0	1	1
6	14	0	0	0	1	0	0	1	0	0	0	0
7	15	1	1	0	0	0	0	0	0	0	0	0
8	16	0	0	0	0	0	0	1	0	0	0	1

### Notes:-

- i. 1 denotes output ON (active).
- ii. only 1 output should be active for each coin position.

## 16 Coin Mode Example

Coin		Binary Outputs									
		A6	A5	A4	A3	A2	A1				
1	9	1	0	1	1	0	0	1	0	0	0
2	10	1	0	0	1	0	1	1	1	0	1
3	11	1	0	0	1	0	0	0	1	0	0
4	12	1	0	0	1	1	1	1	0	0	0
5	13	1	0	0	1	0	0	0	1	1	0
6	14	1	1	1	1	1	1	1	1	0	0
7	15	1	0	1	1	0	0	0	0	1	0
8	16	1	1	0	1	1	0	0	0	0	1

### Notes:-

- i. 1 denotes output ON (active).
- ii. A4 HAS to be part of the credit code.
- iii. a credit is only valid when A4 is active
- iv. A6 - Ident is ALWAYS Active.

# SR5 BDTA Mode 5

## Mode 5

### Introduction

The SR5 Mode 5 is a direct replacement for the BDTA C450.

### Identifier

A mode 5 SR5 is denoted by the 05 as shown in the example below..

Config No. e.g. B5 **05** ITDE00003

### Interface Details

Pin No.	Function	Active	Input (I) Output (O) Power (P)
1	Inhibit 4	1	I
2	Inhibit 5	1	I
3	Inhibit 2	1	I
4	Inhibit 6	1	I
5	Coin Return	Low	O
6	Inhibit All	2	I
7	Accept 4	Low	O
8	0V		P
9	Accept 6	Low	O
10	Accept 2	Low	O
11	Accept 5	Low	O
12	Accept 3	Low	O
13	Accept 1	Low	O
14	Inhibit 3	1	I
15	Inhibit 1	1	I
16	+V Supply		P

1 Low to Accept / High to Reject.  
2 High to Accept / Low to Reject.

Low <1V      High >4V

Note:

Inhibits are mapped directly from Bank 1 to Bank 2.

### Output Codes

To change between 6 coin and 12 coin mode please refer to the BDTA MechTool Manual TSP014.

#### 6 Coin Mode

Coin	Dedicated Outputs					
	A6	A5	A4	A3	A2	A1
1 (7)	0	0	0	0	0	1
2 (8)	0	0	0	0	1	0
3 (9)	0	0	0	1	0	0
4 (10)	0	0	1	0	0	0
5 (11)	0	1	0	0	0	0
6 (12)	1	0	0	0	0	0

Notes:-

- i. 1 denotes output ON (Low).
- ii. coins 1 to 6 give the same credit as coins 7 to 12.

#### 12 Coin Mode

Coin	Binary Outputs					
	A6	A5	A4	A3	A2	A1
1	0	0	1	0	0	0
2	0	0	1	0	0	1
3	0	0	1	0	1	0
4	0	0	1	0	1	1
5	0	0	1	1	0	0
6	0	0	1	1	0	1
7	0	0	1	1	1	0
8	0	0	1	1	1	1
9	0	1	1	0	0	0
10	0	1	1	0	0	1
11	0	1	1	0	1	0
12	0	1	1	0	1	1

Notes:-

- i. 1 denotes output ON (Low).
- ii. a credit is only valid when A4 is active.

# SR5 CMOS Mode 6

## Mode 6 Introduction

The SR5 Mode 6 has been designed with a CMOS output interface to the machine rather than the standard C435 +/- active transistor accept output interface.

**WARNING: Mode 6 IS NOT COMPATIBLE WITH ANY OTHER SR5 MODE COIN ACCEPTORS.**

## Identifier

A mode 6 SR5 is denoted by the 06 as shown in the example below and by an ORANGE rundown cover.

Config No. e.g. B5 **06** ITNL00001

## Interface Details

Pin No.	Function		Input / Output / Power
	Dedicated	Binary	
1	Accept 6	Ident	Output
2	Accept 5		Output
3	Com A		Input / Power
4	Accept 1		Output
5	Key		
6	Accept 2		Output
7	Accept 3		Output
8	Select Line		Input
9	Accept 4		Output
10	Inhibit 4		Input
11	V supply		Power
12	0V		Power
13	Inhibit 3		Input
14	Inhibit 2		Input
15	Inhibit 1		Input
16	Inhibit 5		Input
17	Inhibit 6		Input
18	Inhibit 7		Input
19	Inhibit 8		Input
20	Bank Select 1		Input
21	Bank Select 2		Input

Note:

Inhibits are mapped directly from Bank 1 to Bank 2.

## Output Codes

The **Select Line** (pin8) status determines the operating mode.

Select line >4V or O/C = **5 coin mode**.

Select line pulled to 0V = **16 coin mode**.

### 5 Coin Mode

Coin	Dedicated Outputs				
	A5	A4	A3	A2	A1
1 (9)	0	0	0	0	1
2 (10)	0	0	0	1	0
3 (11)	0	0	1	0	0
4 (12)	0	1	0	0	0
5 (13)	1	0	0	0	0
6 (14)	0	0	0	0	1
7 (15)	0	0	0	1	0
8 (16)	0	0	1	0	0

Notes:-

- i. 1 denotes output ON (active).
- ii. credit codes are repeated from 6/14 to 8/16.

### 16 Coin Mode

Coin		Binary Outputs						
		A6	A5	A4	A3	A2	A1	
1	9	1	0	1	1	0	0	0
2	10	1	0	1	1	0	0	1
3	11	1	0	1	1	0	1	0
4	12	1	0	1	1	0	1	1
5	13	1	0	1	1	1	0	0
6	14	1	0	1	1	1	0	1
7	15	1	0	1	1	1	1	0
8	16	1	0	1	1	1	1	1

Notes:-

- i. 1 denotes output ON (active).
- ii. a credit is only valid when A4 is active.
- iii. A5 is active for coins 9 to 16.
- iv. A6 - Ident is ALWAYS Active.



# SR5 Mode 7

**Mode 7**

**Introduction**

The SR5 Mode 7 is a combination of a standard C435 but with C420 inhibits and customer selectable credit codes.

**Identifier**

A mode 7 SR5 is denoted by the 07 as shown in the example below.

Config No. e.g. B5 **07** ITGB00002

**Interface Details**

Pin No.	Function		Input / Output / Power
	Dedicated	Binary	
1	Accept 6	Ident	Output
2	Accept 5		Output
3	Com A		Input / Power
4	Accept 1		Output
5	Key		
6	Accept 2		Output
7	Accept 3		Output
8	Select Line		Input
9	Accept 4		Output
10	Inhibit 4		Input
11	V supply		Power
12	0V		Power
13	Inhibit 3		Input
14	Inhibit 2		Input
15	Inhibit 1		Input
16	Inhibit 5 & 6		Input
17	Inhibit 7 & 8		Input
18	Not Used		
19	Not Used		
20	Bank Select 1		Input
21	Bank Select 2		Input

**Note:**

Inhibits are mapped directly from Bank 1 to Bank 2.

**Output Codes**

The **Select Line** (pin8) status determines the operating mode.

Select line >4V or O/C = **5 coin mode**.

Select line pulled to 0V = **16 coin mode**.

**5 Coin Mode Example**

Coin	Dedicated Outputs												
	A6	A5	A4	A3	A2	A1							
1	9	0	0	0	1	0	0	0	0	1	0	0	0
2	10	0	0	0	0	0	1	0	0	1	0	0	0
3	11	0	0	0	0	1	1	0	0	0	0	0	0
4	12	0	0	1	0	0	0	1	0	0	0	0	0
5	13	0	0	0	0	0	0	0	0	0	1	1	0
6	14	0	0	0	1	0	0	1	0	0	0	0	0
7	15	1	1	0	0	0	0	0	0	0	0	0	0
8	16	0	0	0	0	0	0	1	0	0	0	0	1

**Notes:-**

- i. 1 denotes output ON (active).
- ii. only 1 output should be active for each coin position.

**16 Coin Mode Example**

Coin	Binary Outputs											
	A6	A5	A4	A3	A2	A1						
1	9	1	0	1	1	0	0	1	0	0	0	0
2	10	1	0	0	1	0	1	1	1	0	1	0
3	11	1	0	0	1	0	0	0	1	0	0	0
4	12	1	0	0	1	1	1	1	0	0	0	0
5	13	1	0	0	1	0	0	0	1	1	0	0
6	14	1	1	1	1	1	1	1	1	0	0	0
7	15	1	0	1	1	0	0	0	0	1	0	0
8	16	1	1	0	1	1	0	0	0	0	1	0

**Notes:-**

- i. 1 denotes output ON (active).
- ii. A4 **HAS** to be part of the credit code.
- iii. a credit is only valid when A4 is active
- iv. A6 - Ident is ALWAYS Active.

# SR5 Mode 8

## Mode 8

### Introduction

The SR5 Mode 8 is a combination of a standard C435 but with BACTA inhibits and customer selectable credit codes.

### Identifier

A mode 8 SR5 is denoted by the 08 as shown in the example below..

Config No. e.g. B5 **08** ITGB00002

### Interface Details

Pin No.	Dedicated Mode	Binary Mode
1	Accept 6	Ident
2	Accept 5	Accept 5
3	Com A	Com A
4	Accept 1	Accept 1
5	Key	Key
6	Accept 2	Accept 2
7	Accept 3	Accept 3
8	Select Line	Select Line
9	Accept 4	Accept 4
10	Inhibit 4	Not Used
11	V supply	V supply
12	0V	0V
13	Inhibit 3	Inhibit 3
14	Inhibit 2, 8	Inhibit 2, 4, 7, 8
15	Inhibit 1	Inhibit 1
16	Inhibit 5	Inhibit 5
17	Inhibit 7	Inhibit 6
18	Not Used	Not Used
19	Not Used	Not Used
20	Bank Select 1	Bank Select 1
21	Bank Select 2	Bank Select 2

Note:

Inhibits are mapped directly from Bank 1 to Bank 2.

### Output Codes

The **Select Line** (pin8) status determines the operating mode.

Select line >4V or O/C = **5 coin mode**.

Select line pulled to 0V = **16 coin mode**.

### 5 Coin Mode Example

Coin	Dedicated Outputs												
	A6	A5	A4	A3	A2	A1	A6	A5	A4	A3	A2	A1	
1	9	0	0	0	1	0	0	0	0	1	0	0	0
2	10	1	1	0	0	0	0	0	0	0	0	0	0
3	11	0	0	0	0	1	1	0	0	0	0	0	0
4	12	0	0	1	0	0	0	0	1	0	0	0	0
5	13	0	0	0	0	0	0	0	0	0	1	1	0
6	14	-	-	-	-	-	-	-	-	-	-	-	-
7	15	0	0	0	1	0	0	0	0	0	0	1	0
8	16	0	0	0	0	0	0	1	0	0	0	0	1

Notes:-

- i. 1 denotes output ON (active).
- ii. **coins 6 & 14 are not accepted.**
- iii. only 1 output should be active for each coin position.

### 16 Coin Mode Example

Coin	Binary Outputs												
	A6	A5	A4	A3	A2	A1	A6	A5	A4	A3	A2	A1	
1	9	1	0	1	1	0	0	1	0	0	0	0	0
2	10	1	0	0	1	0	1	1	1	1	0	1	1
3	11	1	0	0	1	0	0	0	1	0	0	0	0
4	12	1	0	0	1	1	1	1	1	0	0	0	0
5	13	1	0	0	1	0	0	0	1	1	0	0	0
6	14	1	1	1	1	1	1	1	1	1	0	0	0
7	15	1	0	1	1	0	0	0	0	0	1	0	0
8	16	1	1	0	1	1	0	0	0	0	0	0	1

Notes:-

- i. 1 denotes output ON (active).
- ii. A4 **HAS** to be part of the credit code.
- iii. a credit is only valid when A4 is active
- iv. A6 - Ident is ALWAYS Active.

# SR5 Mode 9

## Mode 9

### Introduction

The SR5 Mode 9 is a combination of a C450 but with 16 coins instead of 12 and customer selectable credit codes. However the inhibits are **NON** - BDTA and fixed as shown.

Also the Max Supply Voltage has been increased from the standard SR5 product.

### Supply Voltage

MIN:- +12VDC      MAX:- +40VDC

### Identifier

A mode 9 SR5 is denoted by the 09 as shown in the example below..

Config No. e.g. B5 **09** ITIT00003

### Interface Details

Pin No.	Function	Active	Input (I) Output (O) Power (P)
1	Inhibit 4	1	I
2	Inhibit 5	1	I
3	Inhibit 2	1	I
4	Inhibit 6	1	I
5	Coin Return	Low	O
6	Inhibit All	2	I
7	Accept 4	Low	O
8	0V		
9	Accept 6	Low	O
10	Accept 2	Low	O
11	Accept 5	Low	O
12	Accept 3	Low	O
13	Accept 1	Low	O
14	Inhibit 3	1	I
15	Inhibit 1	1	I
16	+V Supply		

1 Low to Accept / High to Reject.  
2 Low to Reject / High to Accept.

Low <1V      High >4V

### Inhibit Map

Coins	Inhibits						
	1	2	3	4	5	6	All
1-8	x						x
9						x	x
10					x		x
11		x					x
12-14				x			x
15-16			x				x

### Notes:-

- x denotes Inhibit controls corresponding coin.

### 6 Coin – Dedicated Mode Example

Coin	Dedicated Outputs						
	A6	A5	A4	A3	A2	A1	Code
1	0	0	0	0	1	0	2
2	1	0	0	0	0	0	32
3	0	0	1	0	0	0	8
4	0	0	0	1	0	0	4
5	0	0	0	1	0	0	4
6	0	0	0	0	0	1	1
7	0	0	0	0	0	1	1
8	0	0	0	0	0	1	1
9	1	0	0	0	0	0	32
10	0	1	0	0	0	0	16
11	0	0	0	0	1	0	2
12	0	0	1	0	0	0	8
13	0	0	0	1	0	0	4
14	0	0	0	0	0	1	1
15	0	0	0	0	0	1	1
16	0	0	0	0	0	1	1

### 16 Coin – Binary Mode Example

Coin	Binary Outputs						
	A6	A5	A4	A3	A2	A1	Code
1	0	1	1	0	0	1	25
2	0	1	1	0	0	0	24
3	0	1	0	1	0	1	21
4	0	1	0	1	0	0	20
5	0	1	0	1	0	0	20
6	0	1	0	0	0	1	17
7	0	1	0	0	0	1	17
8	0	1	1	1	0	0	28
9	1	1	1	1	0	1	61
10	1	1	1	1	0	0	60
11	1	1	1	0	0	1	57
12	1	1	1	0	0	0	56
13	1	1	0	1	0	1	53
14	1	1	0	1	0	0	52
15	1	1	0	0	0	1	49
16	1	1	0	0	0	0	48

### Notes:-

- 1 denotes output ON (Low).
- A4 can be 0 or 1.

# SR5 Mode 10

**Mode 10**

**Introduction**

The SR5 Mode 10 has been developed to be backwards compatible with the C220B.

i.e. (Coin-In-Mech = C-I-M)  
 4 coin mode = No C-I-M signal.  
 8 coin mode = C-I-M signal present.

**Note:- The C-I-M signal output time will be shorter due to then new sensor arrangement.**

Although the C220B could only accept 8 coins Mode 10 allows up to 16 coins to be programmed and accepted albeit with the same credit codes – see below.

**Identifier**

A mode 10 SR5 is denoted by the 10 as shown in the example below.

Config No. e.g. B5 **10** IFFR00011

**Interface Details**

Pin No.	Function	Input / Output / Power
1	Com A	Input / Power
2	Accept 1	Output
3	Key	
4	Accept 2	Output
5	Accept 3	Output
6	Select Line	Input
7	Accept 4	Output
8	Inhibit 4	Input
9	V supply	Power
10	0V	Power
11	Inhibit 3	Input
12	Inhibit 2	Input
13	Inhibit 1	Input
14	Inhibit 5 & 6	Input
15	Inhibit 7 & 8	Input

**Note:**

Inhibits are mapped directly from Bank 1 to Bank 2.

**Output Codes**

The **Select Line** (pin8) status determines the operating mode.

Select line >4V or O/C = **4 coin mode**.

Select line pulled to 0V = **8 coin mode**.

**4 Coin Mode**

Coin	Dedicated Outputs			
	A4	A3	A2	A1
1 (9)	0	0	0	1
2 (10)	0	0	1	0
3 (11)	0	1	0	0
4 (12)	1	0	0	0
5 (13)	0	0	0	1
6 (14)	0	0	1	0
7 (15)	0	1	0	0
8 (16)	1	0	0	0

**Notes:-**

- i. 1 denotes output ON (active).
- ii. coins 1 to 4 give the same credit as coins 5 to 8, 9 to 12 and 13 to 16

**8 Coin Mode**

Coin	Binary Outputs			
	A4	A3	A2	A1
<b>C-I-M</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>
1 (9)	1	0	0	0
2 (10)	1	0	0	1
3 (11)	1	0	1	0
4 (12)	1	0	1	1
5 (13)	1	1	0	0
6 (14)	1	1	0	1
7 (15)	1	1	1	0
8 (16)	1	1	1	1

**Notes:-**

- i. C-I-M = Coin-In-Mech (validation area).
- ii. 1 denotes output ON (active).
- iii. a credit is only valid when A4 is active.
- iv. coins 1 to 8 = the same credit as coins 9 to 16.

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