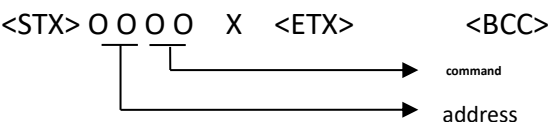


RS232 F1-1000 Card dispenser command list:

Check Status Command: 02 31 35 41 50 03 14

2.1 Send command



<STX> : 0 2 H , Frame start

<ETX> : 0 3 H , Frame end

<BCC>: <STX> ⊕ O ⊕ O ⊕ O ⊕ O ⊕ <ETX> , Block checkout

‘O’ : Means a character’s ASCII code

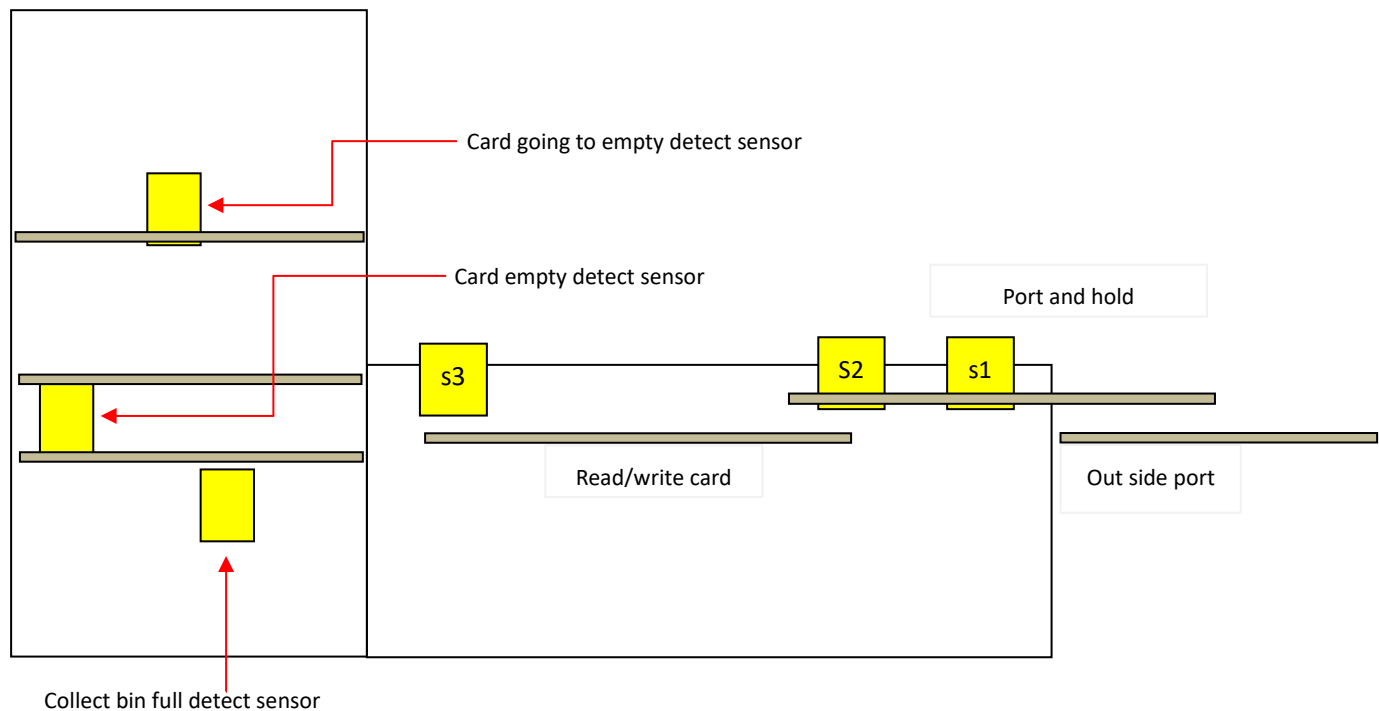
‘X’ : Means a character’s ASCII code, for extend command use, is parameter from command (no basic command is available)

OUT: 02 31 35 41 50 03 14
IN: 06 31 35
OUT: 05 31 35
IN: 02 31 35 53 46 30 30 31 30 03 11 (status)

This is a cycle command, normally, the PC program design suggest keep sending this command to monitoring the card dispenser status.

30/31	30/31	30/31	30/33/36/38	Status:
30	30	30	30	Enough card, standby status
30	30	31	30	Card less
30	30	30	38	No card in card box
30	30	31	36	S2,S3(card in channel)
30	30	31	33	S1, S2 (card in port held)
31	30	31	30	Collect box full, card box card less

1 Light sensor and card position chart:



Full Commands:

02 31 35 46 43 34 03 34 // Card issued to front card holder (roller clamps card)
06 31 35 // Returns confirmation command
05 31 35 // Confirms command

02 31 35 46 43 30 03 30 // Card issued to exit (roller does not clamp card)
06 31 35 // Returns confirmation command
05 31 35 // Confirms command

02 31 35 46 43 36 03 36 // Card issued to card reader
06 31 35 // Returns confirmation command
05 31 35 // Confirms command

02 31 35 43 50 03 16 // Card retracted
06 31 35 // Returns confirmation command
05 31 35 // Confirms command

02 31 35 52 53 03 04 // Reset the card dispenser

06 31 35 // Return confirmation command

05 31 35 // Confirm command

send: 02 31 35 52 46 03 11 // Get card dispenser status (non-advanced)

"R" "F"

05 31 35 // Confirm command

ret: 02 31 35 53 46 30 31 36 03 27 // Return card dispenser status

Return status data analysis: The three bytes before the ETX terminator 03 are: 30 31 36

Subtract 30 from each, and the result is 0x00, x001, 0x06. Converted to binary, this is:

0000 Card pre-emptive, 0001 Cards almost dispensed, 0110 Card in the card reader position

send: 02 31 35 41 50 03 14 //Get card reader status (advanced)

"A""P"

05 31 35 //Confirm command

ret: 02 31 35 53 46 30 30 31 30 03 11 //Return card reader status

Return status data analysis: 4 bytes of data 30 30 31 30

Analysis according to the table: Subtracting 0x30 yields 0000 0000 0001 0000

Calculation yields 0010, indicating: Card pre-empty, almost exhausted. No card in S1, S2, or S3.

Card input mode

02 31 35 53 49 03 1F