3S-423 KSI

Cash Drawer With RS232 Interface

Overview

The 3S-423 KSI Cash Drawer with RS232C Interface allows direct control of the Cash Drawer from the Serial port of a PC.

The Cash Drawer can be configured to operate when a single command from 0 "nul" through to 127 "DEL" is received. This feature allows the same COM port to drive other devices as well as operate the cash drawer.

A cable is supplied to the PC COM port and hence operation is extremely simple.

The cash drawer status, open or closed, can be read by software.

A 25 Pin Serial port connector is utilised for the PC.

There are 4 adjustable spring-loaded sections for bank notes and 8 fixed coin scoops. The cash tray is removable for security. This feature also leads to quick turn round times at a cash desk.

Operation is direct from the Host Serial port, via the connecting cable. This gives greater freedom of operation, as a printer is not required to drive the Cash Drawer. The drawer is opened by a character string in the software command via the dedicated Host Serial port. The 'Drawer Open' state is indicated by utilising the software 'Ring Indicator' (Ri) facility as a status signal via the RS232C interface.

DIL switches 1 to 10 are used to select which character is recognised to operate the cash drawer as well as select Baud Rates and operating modes.

The default settings are Baud rate of 9600 with a command bel(07H) used to trigger the cash drawer. The 3S-423 KSI cash drawer can be set so that 2 of the selected characters must be received before operation.Alternatively a mode accepting an RS232C character be set.

A mains power supply is included. When power is applied to the cash drawer a green LED illuminates. The LED flashes when data is received.

Features

- Direct Operation from Host Serial Port
- Intelligent RS232C Interface
- Software Command from Host Opens Drawer
- Software Selectable Character to Operate Cash Drawer
- Status Signal
- Key Operated Lock
- Secure, Robust Construction
- Ergonomically Designed for Ease of Use
- Mount Under Counter or Stand Alone
- Power Supply Included
- Command Operated

Applications

- Banking
- Where Printer not Required
- Transactions from a Remote Point
- Change Booths
- EPoS Systems
- Clubs

Specifications

Material: Sheet Steel

Finish: Cream Painted with Stainless Steel Front

Inserts: 4 Note Sections
8 Coin Scoops

Dimensions: 404(W) x 425(D) x 98(H)mm

Weight: 8 Kg

Lock: Keys: 2

Function: Position 1
Drawer Mechanically locked
Position 2
Electronic Release
Position 3
Manual Key Release
Spring Return

(Key is removable in positions 1 and 2)

Drawer Release: Lock Position 2
Electronic Release via Software
Lock Position 3
Manual Key Release

Interface: Serial RS232C

Status Signal: Software Ring Indicator
+12V Drawer Open
0V Drawer Closed

Connections: Drawer: Mini DIN Socket
PC: 25 Way Female Serial Connector

Cable: Length: 1.5M Approx. (Supplied)

Dip Switches: Location: Rear

Power Supply: Supplied 12VDC, 500mA, -ve centre

Connection Cable: (Supplied)

DEFINITION	CASH DRAWER MINI DIN PIN	FLYING CABLE 25 WAY 'D' FEMALE
RXD	1	3
RTS	2	4
N/C	3	N/C
N/C	4	N/C
N/C	5	N/C
TXD	6	2
S GND	7	7
Ri	8	22
GND	SHELL	1
RTS, CTS*	N/C	4, 5
DSR, DCD, DTR*	N/C	6, 8, 20

** Simulate Serial Port Handshaking*

DIL Switch 1 to 7: Select Opening Character

The Switches are binary representation with switch 1 representing .1 and switch 7 representing 64.

A character between "Nul" 0H, all OFF and "DEL" 7FH, all ON is configurable.
The default is O7H ie. 1,2,3 all ON

DIL Switch 8: Mode

If ON then a single character as defined by switches 1 to 7 is required.
If OFF 2 consecutive characters are required.

DIL Switches 9 & 10: Baud Setting 8 Bits, no Parity

	SW9	SW10
1200	ON	ON
2400	-	ON
4800	ON	-
9600	-	-

Default Factory Settings

1	2	3	4	5	6	7	8	9	10
ON	ON	ON	-	-	-	-	ON	-	-

Character O7H received once at 9600 Baud

Special Pulse Mode Setting

Any character will activate the Cash Drawer

1	2	3	4	5	6	7	8	9	10
-	-	-	ON	ON	ON	ON	-	ON	ON

Drawer Open Signal

The status can be read as Ring Indicate (RI) which is pin 22 on the 25 way 'D' connector. The signal is 1 when drawer is OPEN and 0 when CLOSED.
To read from QBASIC the COM address first needs to be known. In WIN95
go to <Control Panel>, <System>, <Device Manager>, <COM1 Port>, <Properties>, <Resources>. This should be 3F8 to 3FF range.

stat = INP (&H3FE) AND (&H40):IF STAT>0 then PRINT"DRAWER IS OPEN"
(COM1)

or & H2FE if COM2

Testing

1) Green LED should illuminate when power is applied.
2) Green LED flashes when data is received. If nothing, check data is going to the correct port. If flashed but no response check MODE command and Baud Rates.
3) If further problems, then set the DIL switches to PULSE MODE. Any character will trigger the cash drawer.
4) Note that the cash drawer must be unplugged each time for 5 seconds before changing switch settings.

Order Codes

3S-423 KSI Cash Drawer With RS232 Interface

Stock Code: 554-109

ACCESSORIES

Cash Drawer Insert: Stock No. 554-001

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