

CURRENCY DISPENSER

M_STATUS

A ¹ alongside the code shows that the M_STATUS applies to stacking dispensers only and a ² shows that the code is for spray dispensers only:

M_STATUS	Meaning
00	No error
01	Dispense requested from a cassette which is not installed or no cassettes installed during self test
02	Too many bills being rejected, for example, undersize, oversize, doubles, extra bills, or unable to learn bill width and singularity
03	Pick failure
04	Pick failure plus low (out of bills)
05	Sensor failure or currency jam in main transport or A short dispense was performed (bills dispensed fewer than bills requested) and no error was reported
06 ²	Divert gate fault caused by one of the following: * Divert gate in wrong position initially * Divert gate failed to move to correct position * Divert gate sensor failure
07	Purge bin not present (unit inoperative)
08 ¹	Purge bin overfill sensor blocked (unit inoperative)
08 ²	Purge bin full (unit inoperative)
09	Communications failure between Command and Execution firmware, or between host and device for USB S1 Dispenser. Current replenishment information may not have been determined

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M_STATUS	Meaning
10	Operation not attempted because the device or a cassette type is FATAL from a previous operation. A reset of SOH to HEALTHY must be performed to clear this condition. Current replenishment information is not determined.
11	Operation not attempted due to one of the following conditions: * Bills are still stacked in the transport from a previous operation (stacking dispensers only) * Bills may not have been cleared from the transport due to an unrecovered error during a previous operation * The dispenser has been powered up and no CLEAR/DIAG_CLEAR has been issued A CLEAR or DIAG_CLEAR must be performed to clear this condition. Replenishment information is not determined
12 ¹	Presenter clamping mechanism (or bill alignment mechanism) failed or jammed
13 ¹	Exit shutter jammed open
14 ¹	Exit shutter jammed closed
15 ¹	Reserved
16	Main transport timing disk did not operate correctly or the main ac motor failed
17	Reserved
18 ¹	Currency jam in presenter transport or transport sensor failure
19 ¹	Exit sensor blocked initially on next operation after a good present (bills may not have been taken by cardholder). Current replenishment information is not determined. See “Replenishment Data”.
20 to 27	Reserved
28	An area of NVRAM cannot be accessed (SOH cannot be updated)
29 ¹	Presenter transport timing disk did not operate correctly or motor failed

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M_STATUS	Meaning
30	One of the presenter transport sensors failed clear or blocked
31	Reserved
32	Heartbeat on execution processor failed
33 ¹	Communications failure on the I2C bus of the execution processor. On P86 style and USB S1 Dispensers this code denotes a communications failure on the pick interface to pick modules. Also used to denote a Fluditi attack activation.
34 ¹	A present bills operation has been attempted without any bills being stacked or a RETRACT with no bills presented
35 ¹	Operation incomplete due to ac and 24V dc power disconnection through interlock on ATM access door
36 ¹	Pick valve test not attempted because cassettes were installed
37	TI service switched ON
38	TI service switched OFF
39	The LVDT/NTS or associated circuit is malfunctioning
40	Bill parameters have not been set up. This is because this is the first operation since initial power-up or because there was an NVRAM corruption and the NVRAM was re-initialised
41	An attempt to pick from a cassette in a pick module which has been disabled for in-service replenishment
42	The dispenser has not been authenticated by the PC Core module. This code is only generated by USB S1 dispenser variants
43	The serial number of the dispenser control board has changed and has not yet been authorised for use. This code is only generated by USB S1 dispenser variants.

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M_STATUS	Meaning
146	SDC link failure

M_DATA

- Dispenser - stacking and spray types
- Divert Gate - spray type only
- Presenter - stacking type only
- Main Motor * - stacking and spray types
- Exit Shutter * - stacking type only
- Presenter Bill Motor * - stacking type only
- Presenter Clamp * - stacking type only
- Sensor/Switch * - stacking and spray types

*** The M_DATA returned for these tests are unique to the tests.**

The number of transport sensors in the currency dispenser depends on the dispenser type as follows:

- Stacking Dispensers:
 - 5674/75 Front Access ATM - Transport Sensors 1 to 7
 - 5674/75 Rear Access ATM - Transport Sensors 1 to 5
 - 5670 ATM Front or Rear Access - Transport Sensors 1 to 5
 - 5684/85/88 ATMs (Through-The-Wall) - Transport sensors 1 to 8
 - Personas 86 ATM (Through-The-Wall) - Transport sensors 1 to 5
 - Personas 87 ATM (Through-The-Wall) - Transport sensors 1 to 5
 - UF-NID, NID, UF-P86 - Transport sensors 1 to 5
 - USB S1 ATMs - Transport sensors 1 to 5
- Spray Dispensers:
 - MCD1 Front Access ATM - Transport Sensors 1 (FEED) and 2 (EXIT)

The highest number in each of the above ranges is the exit sensor for that type.

The M_DATA field contains the execution level command executed and status information returned. The first byte (byte

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