

Communication Protocol

DT105U & DT105R Communication Protocol

1. CITIZEN OPEN CASH DRAWER 1

ASCII

BEL

 HEX

07

Reply (HEX)

14	00	00	0F
----	----	----	----

 Cash drawer close

10	00	00	0F
----	----	----	----

 Cash drawer open

2. STAR OPEN CASH DRAWER 1

ASCII

BEL

 or

FS

 HEX

07

 or

1C

Reply (HEX)

14	00	00	0F
----	----	----	----

 Cash drawer close

10	00	00	0F
----	----	----	----

 Cash drawer open

3. EPSON OPEN CASH DRAWER 1 AND 2

ASCII

ESC	p	m	t1	t2
-----	---	---	----	----

 HEX

1B	70	^{00,30} _{01,31}	00~FF	00 ~ FF
----	----	-----------------------------------	-------	---------

Reply (HEX)

14	00	00	0F
----	----	----	----

 Cash drawer close

10	00	00	0F
----	----	----	----

 Cash drawer open

* m = 00h, 30h Drawer kick-out connector pin2.
 * m = 01h, 31h Drawer kick-out connector pin5.
 * Open Cash Drawer Time = t1 * 2 ms

PS. 1. m = 00h, 01h, 30h, 31h
 2. t1=t2=0 ~ 255 (t1=0 not active)
 3. t2>t1 or t2=t1

4. PROTOCOLINK OPEN CASH DRAWER 1

ASCII

C	C		1	CR
---	---	--	---	----

 HEX

43	43	20	31	0D
----	----	----	----	----

Reply (HEX)

14	00	00	0F
----	----	----	----

 Cash drawer close

10	00	00	0F
----	----	----	----

 Cash drawer open

5. PROTOCOLINK DUMP FIRMWARE VERSION

ASCII

D	G		2	CR
---	---	--	---	----

 HEX

44	47	20	32	0D
----	----	----	----	----

Reply (ASCII)

(C)		2	0	0	2		G	I	G	A
-	T	M	S		D	T	-	1	0	5	X	
V	E	R	S	I	O	N		1	.	1	0	CR

6. EPSON ENABLE AUTOMATIC STATUS BACK

ASCII

GS	a	FF
----	---	----

 HEX

1D	61	FF
----	----	----

Reply (HEX)

14	00	00	0F
----	----	----	----

 Cash drawer close

10	00	00	0F
----	----	----	----

 Cash drawer open

7. It is also sending the status string on every open/close change of the drawer automatically.

Reply (HEX):

10	00	00	0F
----	----	----	----

 Cash drawer open or

14	00	00	0F
----	----	----	----

 Cash drawer close

DT105U & DT105R Signal Control and Status

	PIN4 DTR RS232/TTL	PIN7 RTS RS232 / TTL	RED LED	GREEN LED	BUZZER LED	STATUS
CONTROL	+12V / L	+12V / L	OFF	OFF	OFF	X
	+12V / L	-12V / H	OFF	ON	OFF	READY
	-12V / H	+12V / L	ON	OFF	ON	OPEN
	-12V / H	-12V / H	OFF	OFF	OFF	X
STATUS	PIN8 CTS RS232/TTL	STATUS				
	+12V / L	Cash drawer open				
	-12V / H	Cash drawer close				