

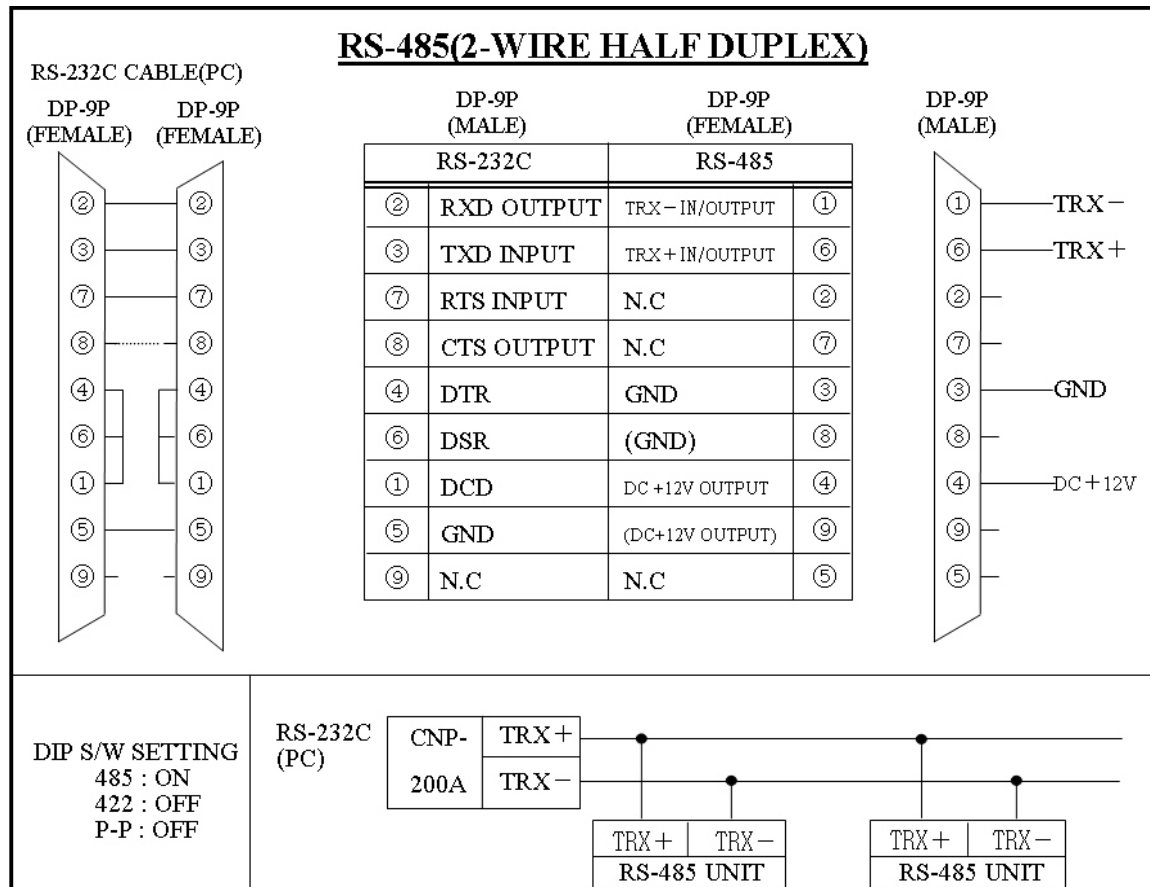
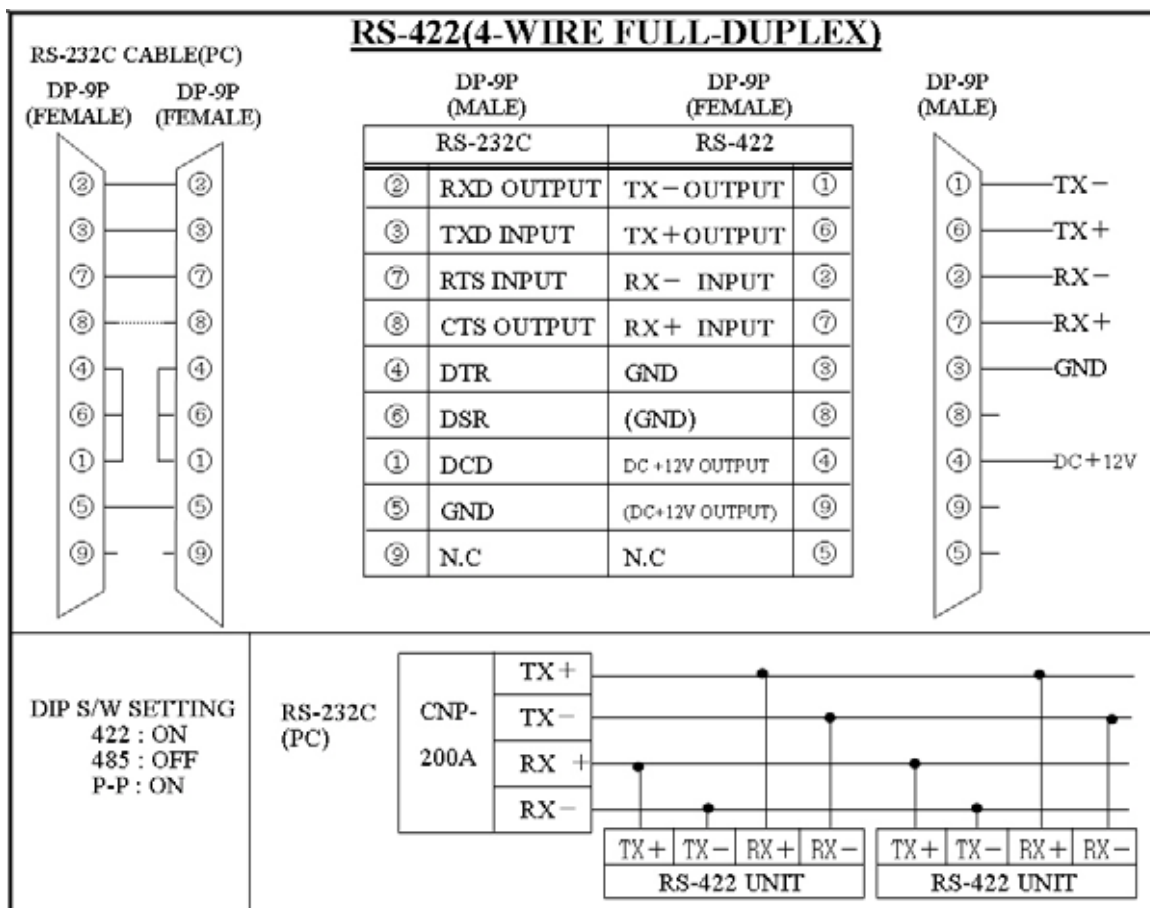
CNP-200A User Manual

1. HARDWARE SPEC

Universal RS-232 to RS-422/485 Converter and DC12V / 700mA Power Supply

- * Communication Type : Asynchronous Serial Communication
- * Transmission Speed : Up to 115.2K BPS
- * Maximum Distance : 1.2Km
- * Internal Connection : RTS-CTS, DTR-DSR-DCD
- * Circuit Protection : Surge Protector Included
- * LED Indicator : Power, TXD, RXD
- * Input Power Supply : AC 85V ~ AC250V, 60Hz, 16VA
- * Output Power Supply : DC 12V / 700mA
- * DIP Switch :
 - RS-422 Point to Point / Multi-drop
 - RS-422 (4 - Wire Full-Duplex) / RS-485(2 -Wire Half-Duplex)
- * RS-232 Side : DB-9 pin male
- * RS-422/485 Side : DB-9 pin female

Connector	RS-232C (D-SUB 9P MALE)		RS-422 (D-SUB 9P FEMALE)		RS-485 (D-SUB 9P FEMALE)	
	2	RXD Input	1	TX -	1	TRX -
	3	TXD Output	6	TX +	6	TRX +
	7	RTS Input	2	RX -	2	N.C
	8	CTS Output	7	RX +	7	N.C
	4	DTR	3	GND	3	GND
	6	DSR	8	(GND)	8	(GND)
	1	DCD	4	DC +12V	4	DC +12V
	5	GND	9	(DC+12V)	9	(DC +12V)
	9	N.C	5	N.C	5	N.C
LOOP	RS-232C DRIVER : RTS – CTS WIRE CONNECTION : DTR – DSR – DCD					



2. CNP-200A Wire Connection

2.1. CNP-200A Setup

- RS232C Converter to PC connection.



Converter RS232 Female

RXD	2
TXD	3
GND	5
RTS	7

PC RS232 Female

2	TXD
3	RXD
5	GND
7	RTS

PC

- Connection via RS422

Connection via RS422 will require the following Piano Switch setup as shown below (Figure 1) and table.



RS422

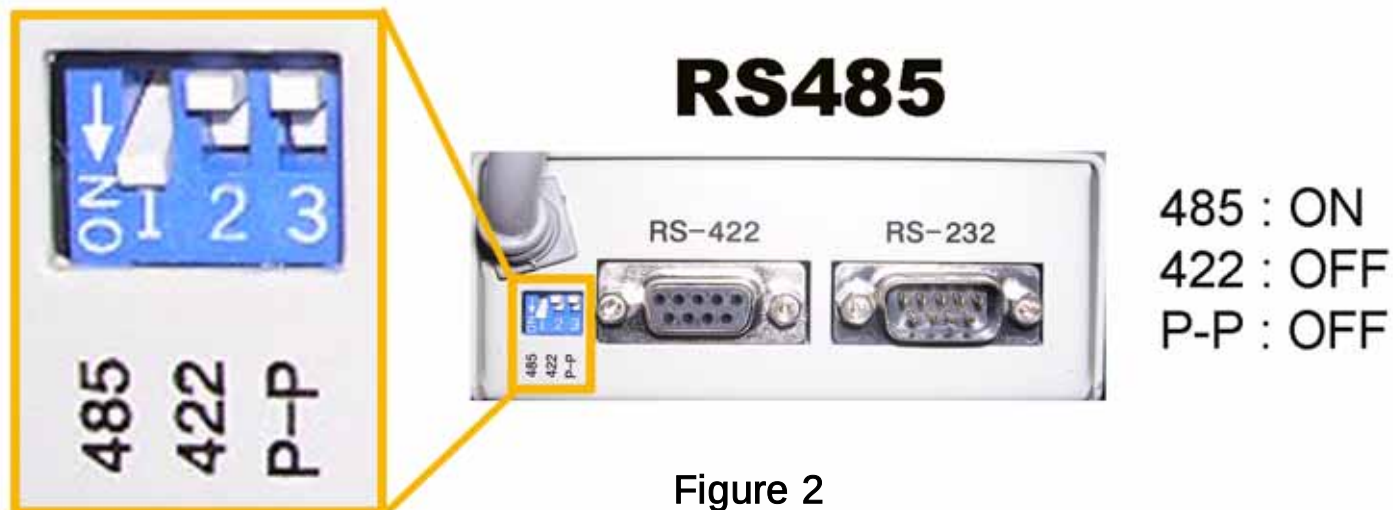


485 : OFF
422 : ON
P-P : ON

Figure 1

- Connection via RS485

Connection via RS485 will require the following Piano Switch setup as shown below (Figure 2) and table.



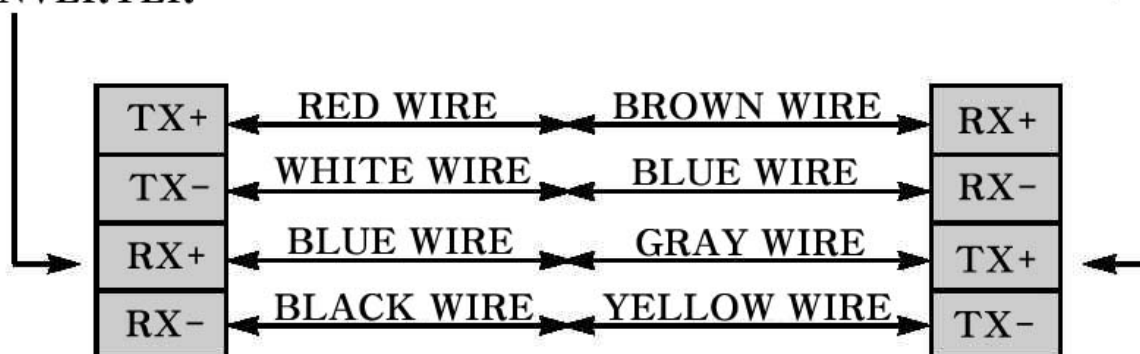
2.2. RS422 Converter to 505R/FINGER007 connection.



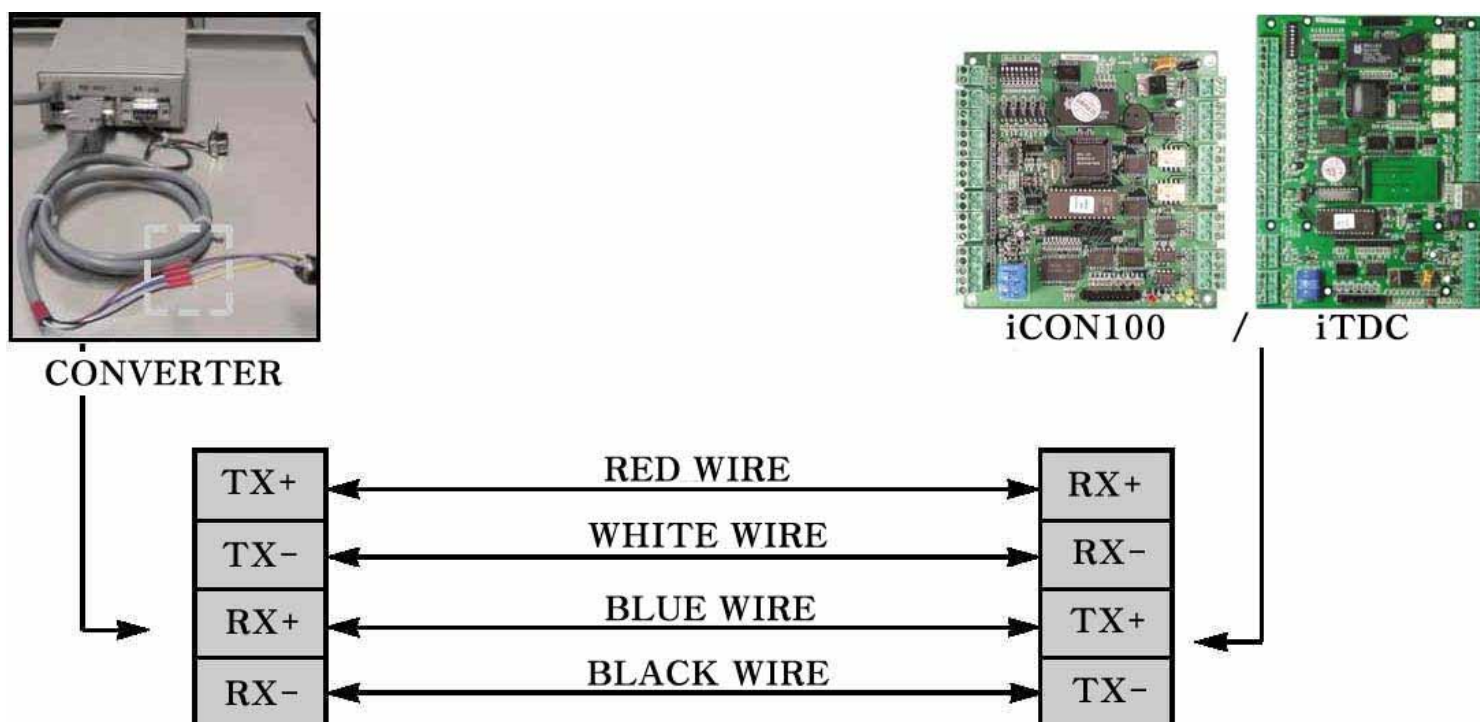
CONVERTER



505R / FINGER007



2.3. RS422 Converter to iCON100/iTDC connection.



2.4. RS485 Converter to RFL100C/200C connection.

RS485 DIP Switch Setting

