



Technical Advisory Bulletin

TAB Number: TAB-007 - DRAFT

Subject Matter: PC to controller cabling and adapter pin out information

Date Issued: June 16, 2003

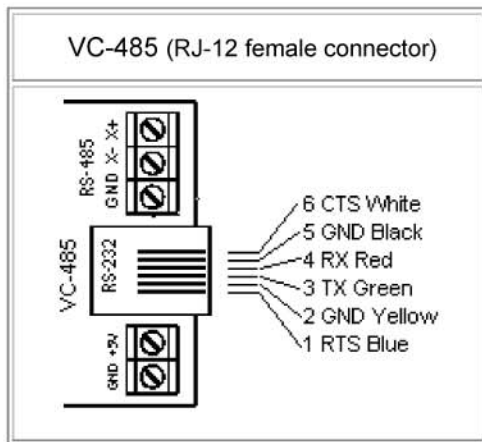
Background: The following is a list of TURNSTILES adapters and the pin out connections.

Adapter Description	Application	Part Number/ Type	RJ-12 Pin 1	RJ-12 Pin 2	RJ-12 Pin 3	RJ-12 Pin 4	RJ-12 Pin 5	RJ-12 Pin 6
PC to KT-200	EntraPass LS & RS v3, EntraPass SE, CE & Global WinPass	740-1021 RJ-12/DB-9F	DB-9 Pin 1	DB-9 Pin 4	DB-9 Pin 2	DB-9 Pin 3	DB-9 Pin 5	DB-9 Pin 6
	EntraPass LS & RS v3 EntraPass SE & CE WinPass	740-1011 RJ-12/DB-25F	DB-25 Pin 8	DB-25 Pin 20	DB-25 Pin 3	DB-25 Pin 2	DB-25 Pin 7	DB-25 Pin 6
PC to KT-200/300	EntraPass LS & RS v3, EntraPass SE, CE & Global WinPass	740-1023 RJ-12/DB-9F	DB-9 Pin 6	-	DB-9 Pin 2	DB-9 Pin 3	DB-9 Pin 5	DB-9 Pin 4
PC to VC-485	EntraPass LS & RS v3 EntraPass SE, CE & Global WinPass	740-1022 RJ-12/DB-9F	DB-9 Pin 7	DB-9 Pin 4	DB-9 Pin 3	DB-9 Pin 2	DB-9 Pin 5	DB-9 Pin 1
		740-1012 RJ-12/DB-25F	DB-25 Pin 4	DB-25 Pin 1	DB-25 Pin 2	DB-25 Pin 3	DB-25 Pin 7	DB-25 Pin 8
Modem to KT-200	EntraPass RS v3	740-1031 RJ-12/DB-25M	DB-25 Pin 8	DB-25 Pin 6	DB-25 Pin 2	DB-25 Pin 3	DB-25 Pin 7	DB-25 Pin 20
Modem to KT-300	EntraPass RS v3	740-1035 RJ-12/DB-25M	DB-25 Pin 20	DB-25 Pin 1	DB-25 Pin 2	DB-25 Pin 3	DB-25 Pin 7	DB-25 Pin 6
Modem to VC485	EntraPass RS v3	740-1033 RJ-12/DB-25M	DB-25 Pin 8	DB-25 Pin 1	DB-25 Pin 3	DB-25 Pin 2	DB-25 Pin 7	DB-25 Pin 4
SmartCom With VC-485	EntraPass CE	740-1045 RJ-12/DB-9F	-	DB-9 Pin 5	DB-9 Pin 2	DB-9 Pin 3	-	-
SmartCom Without VC-485	EntraPass CE	740-1047 RJ-12/DB-9F	-	-	DB-9 Pin 3	DB-9 Pin 2	DB-9 Pin 5	-
DB-9 Male to DB-25 Female	All	740-1041 DB-25F	-	-	-	-	-	-
DB-9 Female to DB-25 Male	All	740-1042 DB-25M	-	-	-	-	-	-

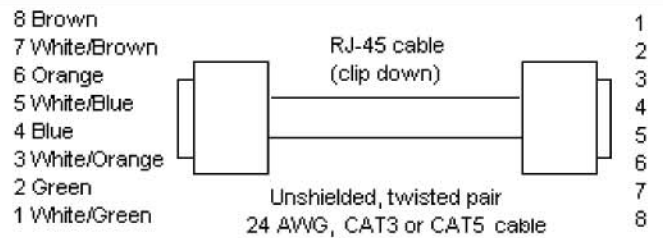
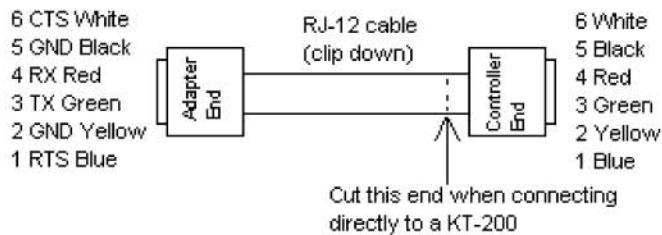


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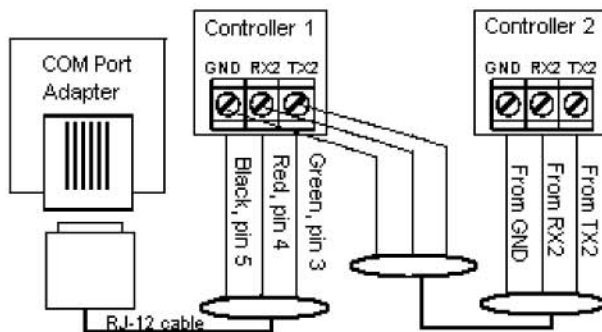
Connection information for TURNSTILES Controllers



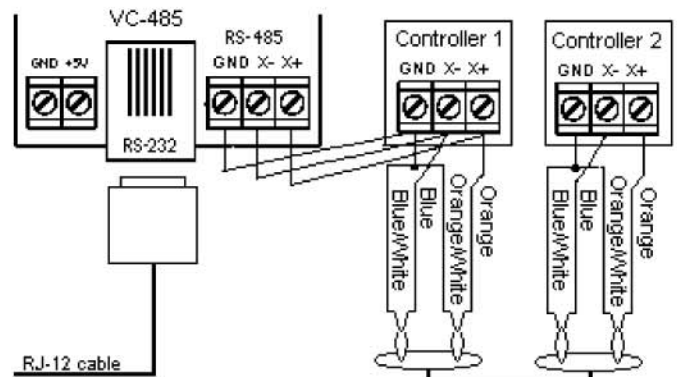
Standard DB-9, DB-25 & RJ-12 Pinouts			
	DB9	DB25	RJ12
DB-9 female connector 	1	8	5
	2	3	4
	3	2	3
	4	20	
DB-25 female connector 	5	7	2
	6	6	
	7	4	1
	8	5	6
	9	22	
			Signal
			GND
			RX
			TX
			DTR
			GND
			DSR
			RTS
			CTS
			RI



RS-232 connection, Adapter to KT-200's
(Note: KT-300's have an RJ-12 connection)



RS-485 connection, Adapter to KT-200's or KT-300's



Controller Network Wiring Guidelines

- Use the supplied RJ-12 cable or unshielded twisted pair 24AWG, CAT3 or CAT 5 cable
- No T- tapping of controllers on the network
- Connect a ½ watt 120 ohm end-of-line resistor to X- & X+ on the first and last controller
Note: The color code for the 120K Ohm resistor is, Brown, Red, Brown, Gold
- When using a VC-485, connect a ½ watt 120 ohm end-of-line resistor to X- & X+ on the last controller only
- KT-200 maximum RS-232 communication distance is 100'
- KT-300 maximum RS-232 communication distance is 200' by using a CAB100EXT extension cable
- To ensure stable communications, controllers must be grounded and away from high voltage equipment or wiring and electro magnetic interference emitting devices such as transformers and switching power supplies



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