PC5400
Printer Module v3.0TAFNZ

INSTALLATION INSTRUCTIONS

Introduction

Features
Allows compatible control panels to be connected to a local serial printer.

Module Specifications
- 4-wire (QUAD) hook-up to keybus
- Normal current draw of 35mA
- Tamper and Trouble reporting codes
- Maximum cable length: 200 feet (61 meters)

PC5400 connected to a serial printer
- True RS-232 technology
- DTR protocal
- Four baud rates: 300, 1200, 2400 or 4800

Compatible Products
- PC580
- PC1555
- PC1575
- PC5010
- PC5015
- PC5020

Installation

Mounting the Cabinet
When mounting a new cabinet for the PC5400, select a dry location close to where the serial printer will be located.

To mount the PC5400:

1. Press the four white circuit board stand-offs into the raised mounting holes from the back of the cabinet.
2. Hold the cabinet in position and pull the wires into the cabinet.
3. Mount the cabinet securely to the wall using the mounting screws provided. Use the appropriate wall anchors when securing the panel to the drywall, plaster, concrete, brick or other similar surfaces.
4. With the cabinet mounted press the PC5400 module into the stand-offs.

Wiring
Refer to the Hook-up Diagram included in this manual.

RED, BLK, YEL and GRN Terminals
Connect the RED, BLK, YEL and GRN terminals to the RED, BLK, YEL and GRN terminals on the control panel. Refer to the control panel Installation Manual for complete instructions on keybus wiring.
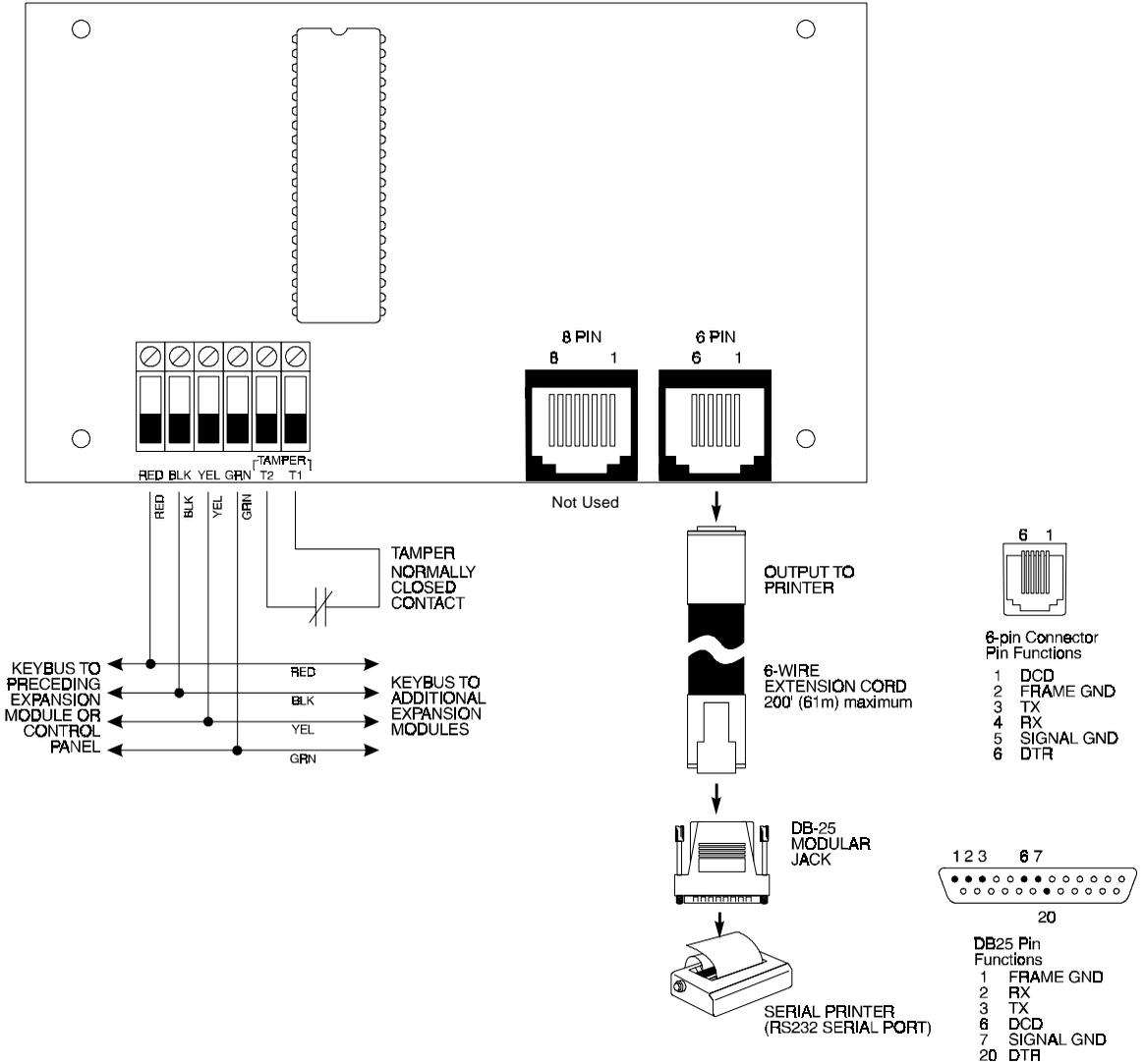
T1 and T2
Connect T1 and T2 to a normally closed switch that will be used to monitor tampers. If no tamper switch is desired place a wire between T1 and T2.

• W A R N I N G •
Please refer to the System Installation Manual for information on limitations regarding product use and function and information on the limitations as to liability of the manufacturer.

PC5400 Hookup Diagram

RED BLK YEL GRN T2 T1

TAMPER

8 PIN

6 PIN

Not Used

TAMPER NORMALLY CLOSED CONTACT

KEYBUS TO PRECEDING EXPANSION MODULE OR CONTROL PANEL

RED

BLK

YEL

GRN

KEYBUS TO ADDITIONAL EXPANSION MODULES

OUTPUT TO PRINTER

6-WIRE EXTENSION CORD 200' (61m) maximum

DB-25 MODULAR JACK

SERIAL PRINTER (RS232 SERIAL PORT)

6-pin Connector Pin Functions

1	DCD
2	FRAME GND
3	TX
4	RX
5	SIGNAL GND
6	DTR

DB25 Pin Functions

1	FRAME GND
2	RX
3	TX
6	DCD
7	SIGNAL GND
20	DTR

PC5400 Programming

If you will be connecting the PC5400 to a PC580, PC1555, PC1575, PC5010, PC5015 or PC5020 control panel, access the PC5400 programming sections at a system keypad by entering [*][8][Installer's Code][801]. Then enter the 2-digit number of the section you want to program.

Section [01], Option [1] .... Printer Enable/Disable
Enables the module for use with a serial printer.

Section [01], Option [2] .... Handshake Enable/Disable
Enables a handshake with the printer.

Section [01], Option [3] .... Printer Columns
Program the number of columns appropriate for the printer.

Section [01], Options [4] to [7] ... Baud Rate
Program the baud rate the PC5400 module will use to communicate with the serial printer. The baud rate is the speed at which information will be transmitted from the PC5400 module to the serial printer. There are four different baud rates available. If you are experiencing problems with missing characters, try lowering the baud rate.

Section [01], Option [8] .... Clock display
Program how the clock displays the time.

Section [05] .... Printer Language Selection
The default language is English. You can program the module for French, Spanish or Swedish.

NOTE: If some characters do not print correctly, try changing the character set your printer uses.

[01] Printer Configuration

Default		Option	Option ON	Option OFF
OFF	|__|	*1*	Printer Enabled	Printer Disabled
ON	|__|	*2*	Handshake from Printer (DTR)	No Handshake
OFF	|__|	*3*	80 Column Printer	40 Column Printer
OFF	|__|	*4*	300 Baud enabled	300 Baud disabled
OFF	|__|	*5*	1200 Baud enabled	1200 Baud disabled
ON	|__|	*6*	2400 Baud enabled	2400 Baud disabled
OFF	|__|	*7*	4800 Baud enabled	4800 Baud disabled
OFF	|__|	*8*	Local clock displays 24hr time	Local clock displays AM/PM

[05] Language Selection

Default

01 \|__\|__\| Printer Language

01	English
02	French
03	Spanish
04	Swedish

LIMITED WARRANTY

Digital Security Controls Ltd. warrants that for a period of twelve months from the date of purchase, the product shall be free of defect in materials and workmanship under normal use and that in fulfilment of any breach of such warranty, Digital Security Controls Ltd. shall, at its option, repair or replace the defective equipment upon return of the equipment to its repair depot. This warranty applies only to defects in parts and workmanship and not to damage incurred in shipping or handling, or damage due to causes beyond the control of Digital Security Controls Ltd. such as lightning, excessive voltage, mechanical shock, water damage, or damage arising out of abuse, alteration or improper application of the equipment.

The foregoing warranty shall apply only to the original buyer, and is and shall be in lieu of any and all other warranties, whether expressed or implied and of all other obligations or liabilities on the part of Digital Security Controls Ltd. This warranty contains the entire warranty. Digital Security Controls Ltd. neither assumes, nor authorizes any other person purporting to act on its behalf to modify or to change this warranty, nor to assume for it any other warranty or liability concerning this product.

In no event shall Digital Security Controls Ltd. be liable for any direct, indirect or consequential damages, loss of anticipated profits, loss of time or any other losses incurred by the buyer in connection with the purchase, installation or operation or failure of this product.

WARNING: Digital Security Controls Ltd. recommends that the entire system be completely tested on a regular basis. However, despite frequent testing, and due to, but not limited to, criminal tampering or electrical disruption, it is possible for this product to fail to perform as expected.

FCC COMPLIANCE STATEMENT

CAUTION: Changes or modifications not expressly approved by Digital Security Controls Ltd. could void your authority to use this equipment.

This equipment generates and uses radio frequency energy and if not installed and used properly, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for Class B device in accordance with the specifications in Subpart "B" of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in any residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to television or radio reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

· Re-orient the receiving antenna
· Relocate the alarm control with respect to the receiver
· Move the alarm control away from the receiver
· Connect the alarm control into a different outlet so that alarm control and receiver are on different circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the FCC useful: "How to Identify and Resolve Radio/Television Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington D.C. 20402, Stock # 004-000-00345-4.

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