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DSC PC5401 Data Interface Module Instruction Manual

Installation Instructions

The PC5401 Data Interface Module can be used to quickly and easily communicate with PowerSeries™ panels through a standard RS-232 serial connection. (See the PC5401 Developer's Guide for more information on communicating with the PC5401 module) at **www.dsc.com/support/installation** manuals.

Contents

Specifications

Module Current Draw: 35 mA

Terminal Connections

KEYBUS – The 4-wire KEYBUS connection is used by the panel to communicate with the module. Connect the RED, BLK, YEL and GRN terminals to the KEYBUS terminals on a PowerSeries™ panel.
DB9 – Requires a "straight-through" RS-232 cable. Only the RX, TX and GND connections are used. Note: cable should not exceed 50 ft at 9600 BAUD (consult RS-232 Signaling Standard for more information)
To Connect Module to a Control Panel

This module can be installed in any of the following enclosures: PC4003C, PC5003C, HS-CAB1000, HS-CAB3000, HS-CAB4000.

1. Connect module to the KEYBUS (with the panel powered down).
2. Select desired BAUD using JP1-3 (default is 9600 BAUD, see Table 1).
3. Connect an RS-232 cable to the application.
4. Power up the system.

Figure 1
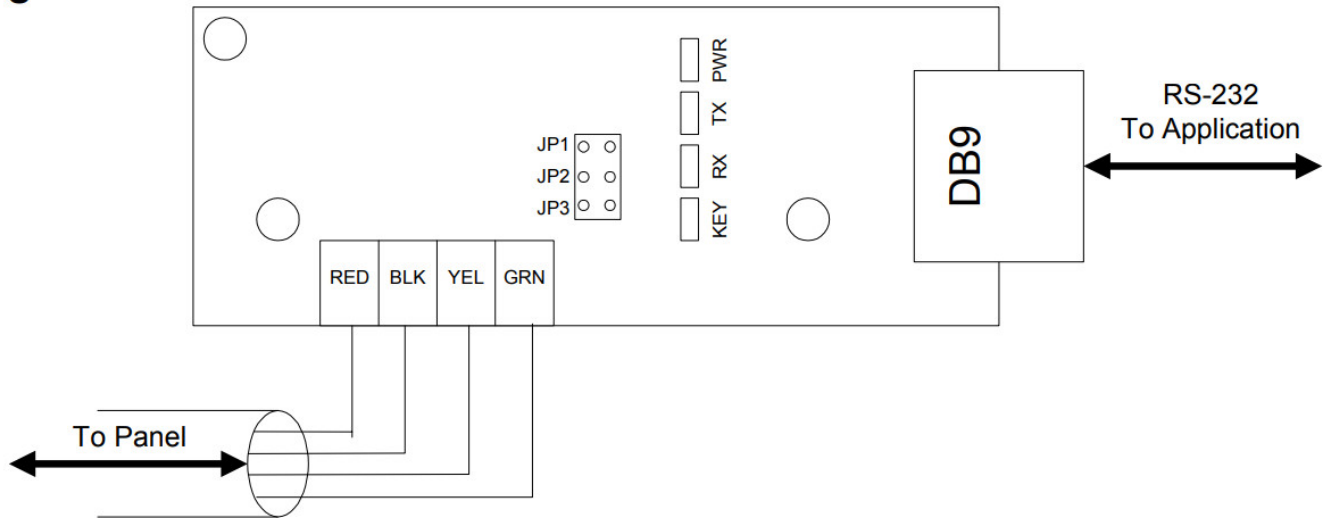
Notes:

- The PC5401 is designed to be installed by SERVICE PERSONS only.
- These instructions shall be used in conjunction with the applicable Installation Instructions of the used PowerSeries™ alarm controller.

Table 1: BAUD Selection
BAUD selection can only be changed by cycling power to the module.

BAUD	JMP3	JMP2	JMP1
4800	ON	ON	OFF
19200	ON	OFF	ON
57600	ON	OFF	OFF
9600	OFF	OFF	OFF

Table 2: Indicator LEDs

LED	Description	Normal Operation	Notes
KEY	KEYBUS Link Active	GREEN Solid	Indicates the module is correctly connected to the KEYBUS
PWR	Module Status	RED Flashing (2 seconds)	LED Flashes every 2 seconds when module is operating normally. A solid RED means that the module is not operating properly. If the LED is unlit, the module is not powered correctly, check cabling.

Limited Warranty

Digital Security Controls warrants that for a period of twelve months from the date of purchase, the product shall be free of defects in material and workmanship under normal use and that in fulfillment of any breach of such warranty, Digital Security Controls 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 control of Digital Security Controls 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 express or implied and of all other obligations or liabilities on the part of Digital Security Controls . This warranty contains the entire warranty. Digital Security Controls neither assumes responsibility, 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 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: DSC 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.
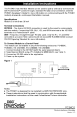
If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the FCC useful: "How to Identify and Resolve Radio/Television Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington D.C. 20402, Stock # 004-000-00345-4.

PowerSeries™

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Documents / Resources

DSC PC5401 Data Interface Module [pdf] Instruction Manual
PC5401 Data Interface Module, PC5401, Data Interface Module, Interface Module, Module

References

- **DSC**
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