

# **Register Supplement**

## **CRS 3000**

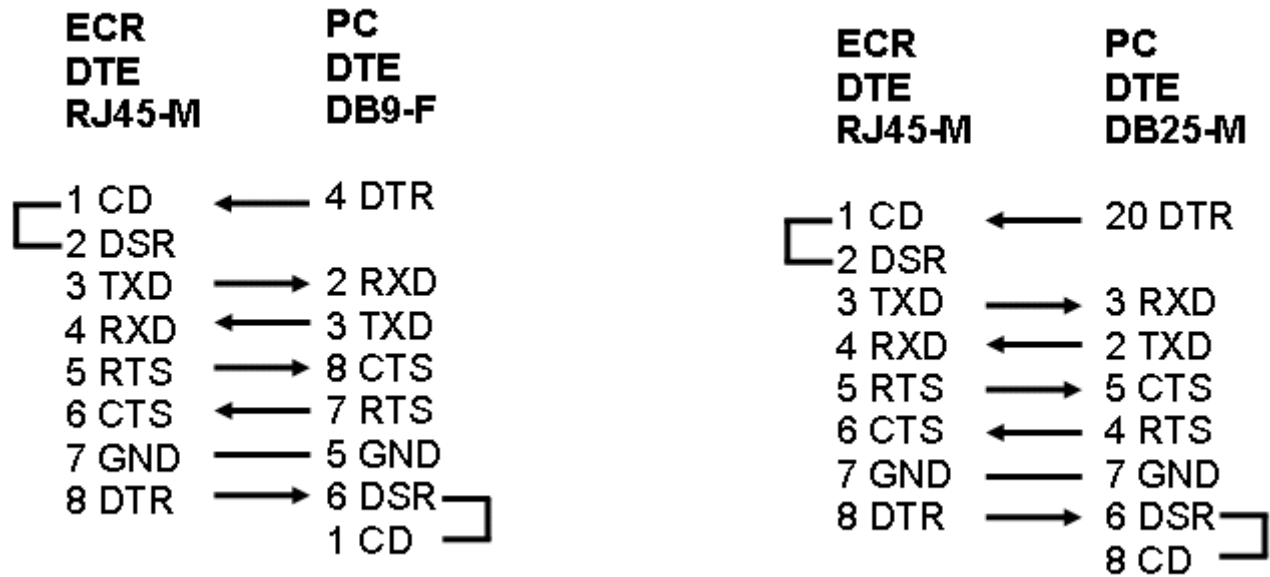
This Register Supplement is intended to address only topics relative to PC/POLL SYSTEMS Polling. This supplement is not designed to replace the CRS 3000 Operations or Programming Manuals, nor is it intended to replace the ECR Dealer's expertise. If problems with the system are encountered, the best course of action is to contact a professional ECR Dealer.

The Register Supplement is divided in five appendices:

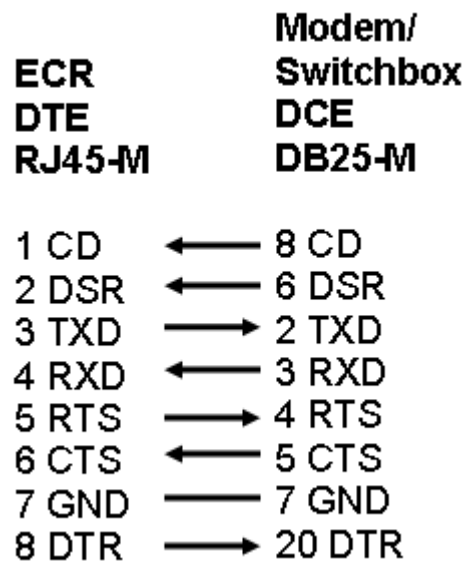
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# Appendix A - Cables

## CRS Direct Cables



## CRS Modem Cables



## **B & B 422      CFCR RS-232/RS-422 Converter**

DCE device - use standard modem cable between converter and register.

The PC cable is a standard serial cable with a jumper between 5 & 6 on the RS232 side of the converter.

The cable between converters is as follows:

(4 twisted pair)

2 <> 3

14 <> 16

3 <> 2

16 <> 14

4 <> 5

19 <> 13

5 <> 4

13 <> 19

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## **Distributed Smart Switch**

Jumper settings:

4W

TERM - OUT

Power supply:

White-----+12VDC

Black-----GND

The wiring for connecting two or more switches together is as follows:

TD(A)-----TD(A)

TD(B)-----TD(B)

RD(A)-----RD(A)

RD(B)-----RD(B)

The wiring for switch to DB25 (to connect to inline adapter):

Switch                      DB25

TD(A)-----PIN 5

TD(B)-----PIN 17

RD(A)-----PIN 2

RD(B)-----PIN 14

Use standard direct connect cable for register to switch connection.

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# Switch Settings for SmartSwitch Box

Looking at the box with the one connector facing away from you and four connectors pointing towards you the three switch banks you need to set are positioned as in the diagram below.

Switch bank one is the baud rate. Turn on the switch corresponding to the desired baud rate. All others are off. If the box is not responding the first thing to check is the baud rate switch.

<u>SW1</u>	<u>BAUD RATE</u>
1	150
2	300
3	600
4	1200
5	2400
6	4800
7	9600
8	19200

Switch bank two should be left alone.  
The factory setting applies

<u>SW2</u>	
1	OFF
2	OFF
3	OFF
4	ON

Switch bank three should be set as follows:

<u>SW3</u>	
1	OFF
2	OFF
3	ON
4	OFF
5	ON
6	OFF
7	OFF
8	OFF

# Appendix B - ECR Programming

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## CRS 3000 Required Programming

During the initial setup of the CRS 3000, the Store Number, Machine Number, Baud Rate and Polling Port must be programmed into the register. The Store Number, Machine Number and Baud Rate entered in the Machine Information Table in the software must match those entered into the register.

### Store Number, Baud Rate and Polling Port

The Store Number, Baud Rate and Polling Port are programmed in P-Mode Programming.

Enter P-Mode by turning the register key.

Select <9> - RS232C Config

Select <4> – PC-Modem Port

Enter the two digit register number followed by the ECR port number (example: 012 for machine 1, port 2)

Enter the Baud Rate.

Enter the Store Number.

Hit Escape to go back to the Main Menu.

### Machine Number

The Machine Number is also programmed in P-Mode Programming.

Select <4> – System Option

Select <1> – System Configuration

Enter the Register Number and IRC Information.

Hit Escape to go back to the Main Menu.

The Register should now be ready for communications.

**NOTE:** When setting up the PC for communications, make sure the ROM version matches what is in the register. To check this, press the <X/TIME> key on the register in REG mode. The register will now display the correct version.

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## EPROM Version

The first thing needed in Polling is your EPROM version. To find the EPROM version in your CRS register, do the following:

Make sure the register is displaying the main menu.

Press the X/Time key, and the EPROM will appear in the lower right corner.

# Appendix C - Export Formats

Export formats are available on request. Please email [support@pcpoll.com](mailto:support@pcpoll.com) for the desired information!

# Appendix D - Modem Setup

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## CRS Setup for Multi Tech 19200 Modem

### Host (PC Side)

The modem at the PC should work with the default Windows setup. If there are problems, try setting the maximum baud rate of the modem to the baud rate of the register.

### Register (ECR side)

AT&F\$SBXS0=NQ1&WO Where x = baud rate (ex. 9600), N = number of rings for auto answer, and 0=zero

The separate AT commands are:

- AT&F - Restore all the factory default settings from the ROM
- AT\$SBX - Serial Port Baud Rate = X (9600 for 9600 ECR settings)
- ATSO=N - Ring Count = N (number of rings before modem answers)
- ATQ1 - Result codes suppressed (quiet) including the 'OK'
- AT&W0 - Store configuration in NVRAM to be loaded at power-up or with the ATZ command

This is used to configure modems purchased from PC/POLL SYSTEMS. Fax any questions to our Support Department if necessary.

**NOTE:** Extensive testing has been done on the modems sold by PC/POLL SYSTEMS to insure that this configuration will work with PC/POLL SYSTEMS' software. If modems are purchased from another vendor, contact that vendor if problems occur.

# **Appendix E – Communicating and Reporting**

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## **Pre-Poll Reset Data**

In the CRS 3000, the pre-poll requires a Z1 at the ECR in order to reset the data. The pre-poll does the schedule consolidation and reporting. It stores the data in the pre-poll area of the Master register. Later, when polling attempts to do the consolidation, it is only allowed to get the data. When this successfully occurs, then the user is allowed to perform a reset data.

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**Note: See the index of the polling manual to locate non-register specific information.**

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