

# **Register Supplement**

## **TEC FS & MA 1350, FS & MA 1450, MA 1535, FS & MA 1650, FS 2600, & SL 9000**

This Register Supplement is intended to address only topics relative to PC/POLL SYSTEMS Polling. This supplement is not designed to replace the TEC 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.

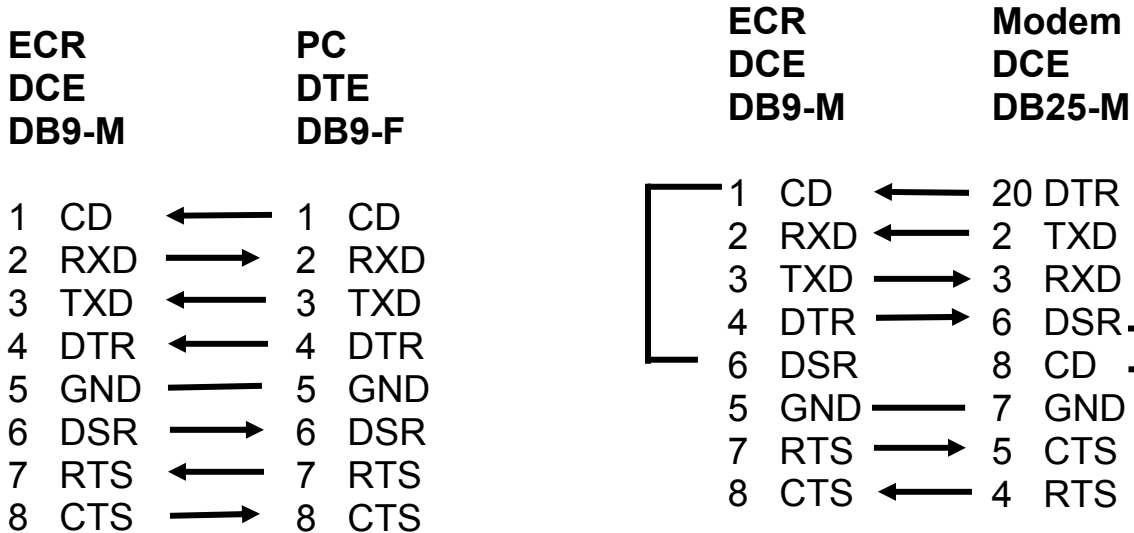
The Register Supplement is divided in five appendices:

- Appendix A -- Cables
- Appendix B -- ECR Programming
- Appendix C -- Export Formats
- Appendix D -- Modem Setup
- Index to the TEC Appendices

# Appendix A – TEC Cables

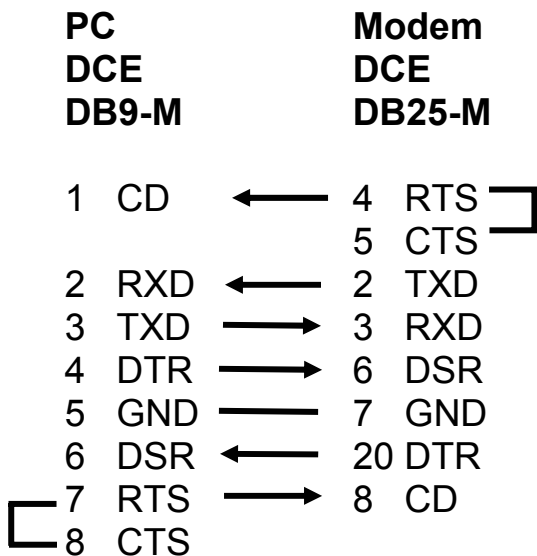
All models' diagrams are identical except on MA1350 via Modem, TEC 1535, and SL 9000.

The following diagram is a register to modem setup for all PC/POLL Systems' supported TEC registers. Note: 1350 modem programming is different.

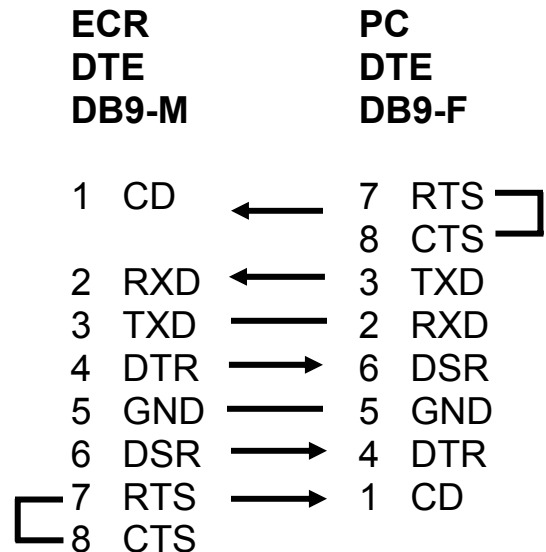


TEC MA 1335 – Users will also need to set the network terminal NO. to 1 within submode 40. The register should also have the default com port settings for port 3 within submode 41.

## TEC MA 1350 Modem

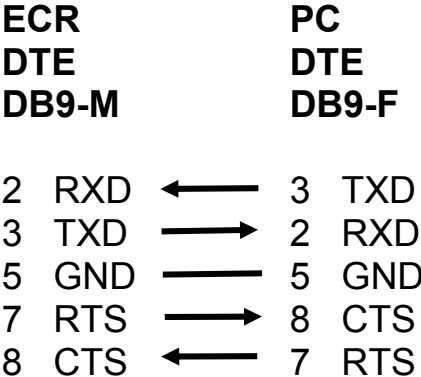


## TEC MA 1535



SL 9000 – The proprietary PC interface for the scales includes a RS-422 converter that ends with a DB25-F connector. It can be plugged directly into a serial port, or extended with a standard serial cable. Standard 25 pin to 9 pin adapters can also be used. (Recommended method of connection.) Below is an alternate cabling diagram that can be used in place of the RS-422 converter. (Additional register setup is required.)

### TEC SL 9000



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## **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.

### SW1            BAUD RATE

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

### SW2

1	OFF
2	OFF
3	OFF
4	ON

Switch bank three should be set as follows:

### SW3

1	OFF
2	OFF
3	ON
4	OFF
5	ON
6	OFF
7	OFF
8	OFF

# Appendix B - ECR Programming

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## TEC Required Programming

By default TEC registers are set up to communicate with a baud rate of 9600. Some registers require a PC board installation for communication. It is HIGHLY recommended that you have a cash register dealer perform these operations.

### TEC 1535

In order to separate totals from multiple 1535 registers users should set a unique Terminal No. on each register

1. Turn the key to Set mode
2. Enter [4][0] [#NS]
3. Enter the Network Terminal No. [AT\TL] [#NS] (00 to 08)

Note:

Leaving the Terminal No. set at 00 will allow the software to send PLU changes only

# Appendix C - Export Formats

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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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## TEC Setup for Multi Tech 19200 & 33600 Modems

### Host (PC Side)

Install the modem in Window's using the manufacturer's latest drivers. It may be necessary to set the maximum baud rate in the modem's configuration equal to the communications baud rate.

### Register (ECR side)

*REGISTER AT&FQ1\$SBXS0=N &W0*

*AT&F\$SBXS0=NQ1&W0* 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)                        |
| ATS0=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 at 563-556-0405.

**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.

# TEC Appendices Index

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

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