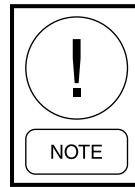


PRINTER WIRING

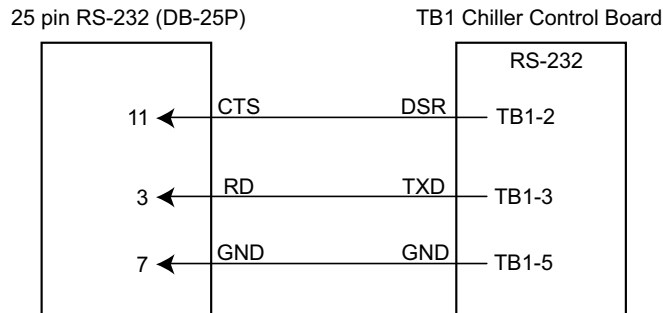
A “serial” printer may be connected to the TB1 connector on the Chiller Logic Board for the purposes of logging data and troubleshooting. Weightronix Imp-2600, Seiko DPU-414, and Okidata Microline 184 printers or equivalents may be used.



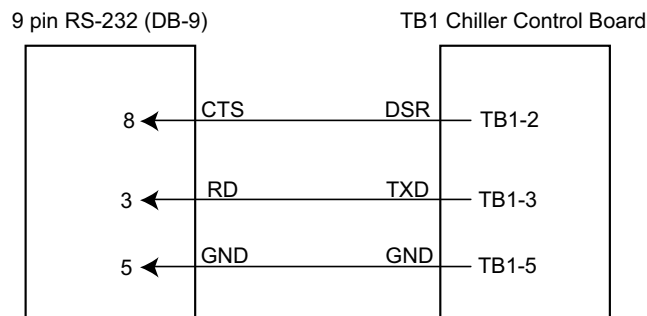
Printer designs change rapidly. The user should use the printer manual for the respective printer for set-up and wiring.

Data from the chiller is transmitted at 1200 baud. Wiring diagrams for cables are shown below:

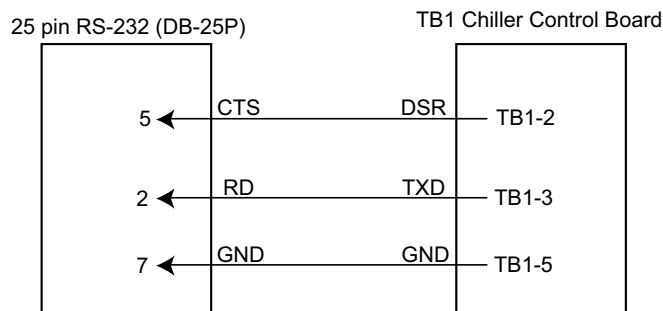
OKIDATA MICROLINE 184



SEIKO DPU-414



WEIGHTRONIX IMP-24, MODEL 2600



LD10638

FIGURE 107 - PRINT CABLE - CHILLER TO SERIAL PRINTER

Printer Cables

Printer cables should be shielded coaxial, #18AWG, stranded wire cables, not to exceed 50' in length. On long cable runs or whenever permanent installation is required, the shield of the coax should be tied to the chassis ground at the chiller only, not at the printer.

Printer Setup

The following information may be useful for quick set up of a printer. Specific printer manuals should be utilized, if problems occur, since functions often change as new versions of printers are introduced with enhancements requiring control code, signal programming, and wiring changes.

Okidata 184

Control Board Switch Settings

- SW1 – ON: Unslashed 0
- 2 – OFF: Unslashed 0
- 3 – OFF: Unslashed 0
- 4 – OFF: Form Length 11 in.
- 5 – ON: Form Length 11 in.
- 6 – OFF: Auto Line feed OFF
- 7 – ON: 8 bit data
- 8 – OFF: Enable front panel

With Super Speed Serial Board

- SW1-1 – ON: Odd or even parity
- 1-2 – ON: No parity
- 1-3 – ON: 8 bit data
- 1-4 – ON: Protocol ready/busy
- 1-5 – ON: Test select
- 1-6 – ON: Print mode
- 1-7 – OFF: SDD(-) pin 11
- 1-8 – ON: SDD(-) pin 11
- 2-1 – ON: 1200 baud
- 2-2 – ON: 1200 baud
- 2-3 – OFF: 1200 baud
- 2-4 – OFF: DSR active
- 2-5 – ON: Buffer threshold 32 bytes
- 2-6 – ON: Busy signal 200ms
- 2-7 – ON: DTR space after power on
- 2-8 – not used

With High Speed Serial Board

- SW1 – OFF: (-) Low when busy
- 2 – OFF: 1200 baud
- 3 – OFF: 1200 baud
- 4 – ON: 1200 baud
- 5 – not used
- 6 – OFF: no parity
- 7 – OFF: Pin 20 and pin 11 act as busy line

Weigh-tronix IMP 24 Model 2600

- SW1 – OFF: 1200 baud
- 2 – ON: 1200 baud

Seiko

- DipSW1-1 – OFF: Input -Serial
- 1-2 – ON: Printing speed high
- 1-3 – ON: Auto loading - ON
- 1-4 – OFF: Auto LF - OFFF
- 1-5 – ON: Setting Command - Enable
- 1-6 – OFF: Printing density - 100%
- 1-7 – ON: Printing density - 100%
- 1-8 – ON: Printing density - 100%
- DipSW2-1 – ON: Printing Columns - 40
- 2-2 – ON: User Font Back-up - ON
- 2-3 – ON: Character Select - normal
- 2-4 – OFF: Zero - slash
- 2-5 – ON: International character set - American
- 2-6 – ON: International character set - American
- 2-7 – ON: International character set - American
- 2-8 – OFF: International character set - American
- DipSW3-1 – ON: Data length - bits
- 3-2 – ON: Parity Setting - no
- 3-3 – ON: Parity condition - odd
- 3-4 – ON: Busy control – H/W busy
- 3-5 – ON: Baud rate select - 1200
- 3-6 – OFF: Baud rate select - 1200
- 3-7 – ON: Baud rate select - 1200
- 3-8 – OFF: Baud rate select - 1200