



How To

Service Documents from APPI

Document: #HT000122

Document Title: Setting DIP Switches

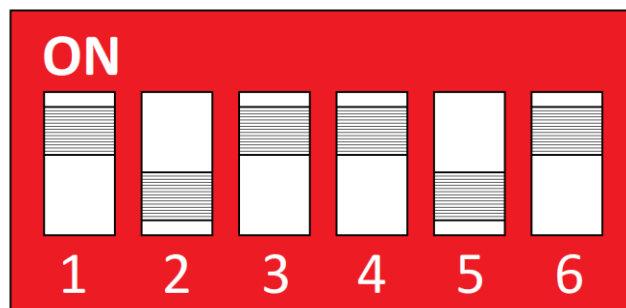
Product(s): T-1000, T-300/375, Ti-1000

Background:

To easily set up different configurations, many electronic devices use DIP (Dual In-Line Package) Switches to enable selectable features or to change control settings.

A typical DIP Switch contains several individual switches in the same package, and most common types make use of slide switches with only “ON” or “OFF” positions.

In the following figure, switches 2 & 5 are in the “OFF” position; all other switches are in the “ON” position.



In APPI systems, DIP switches are found in multiple applications, including:

- Motor Drivers
- Analog Cards
- CPU Boards

Correct DIP Switch settings are important for proper machine operation. For that reason, DIP Switch settings should only be changed by, or at the direction of qualified APPI Service Personnel.



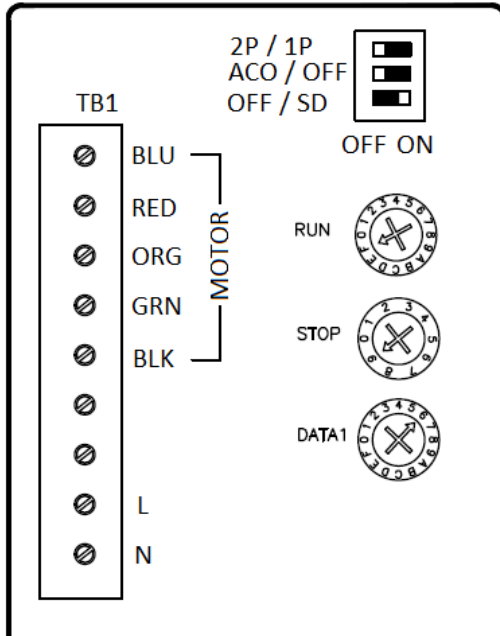
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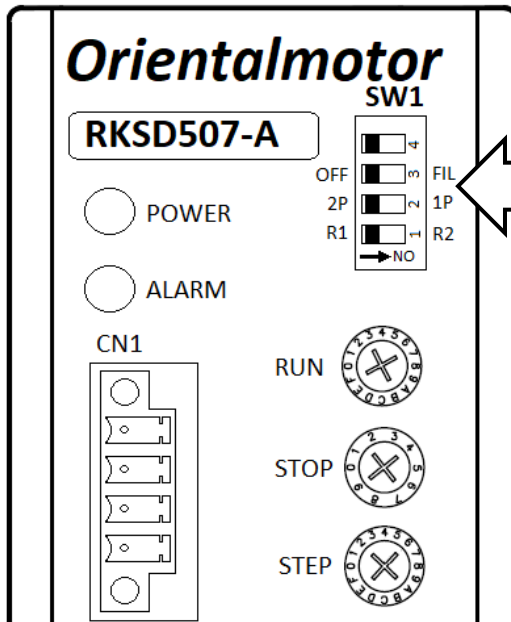
DIP Switches Settings on APPI Systems:

Motor Drivers (RKD514H & RKDS507-A):

TP-501169-1



2P / 1P – Pulse Input Mode
 ACO / OFF – Automatic Current Off
 OFF / SD – Smooth Drive Function



Factory Settings shown

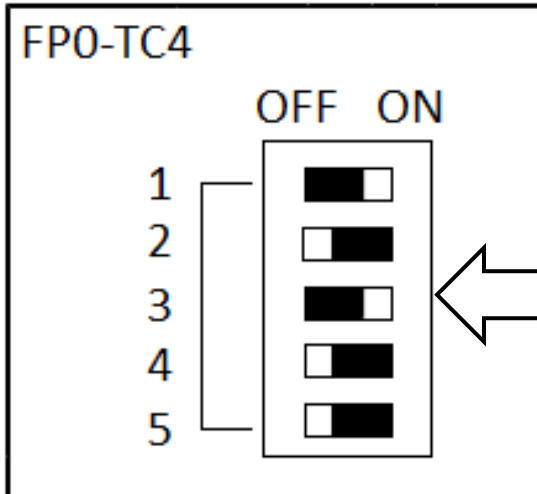


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Analog Card, Temperature Controller (Factory Settings Shown):

TP-220519



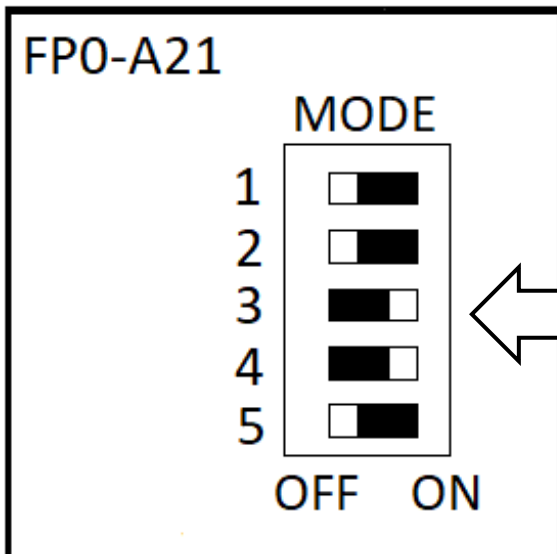
Mode / Input Range Switch:

Switches 1 & 2 - Thermocouple type

Switch 3 - °C or °F (°F shown)

Switches 4 & 5 – Input Channel Selection

TP-220508



Mode / Range Switch:

Switches 1, 2, 3, & 5 control Input Range and Thermocouple Type

Switch 4 Controls Analog Output

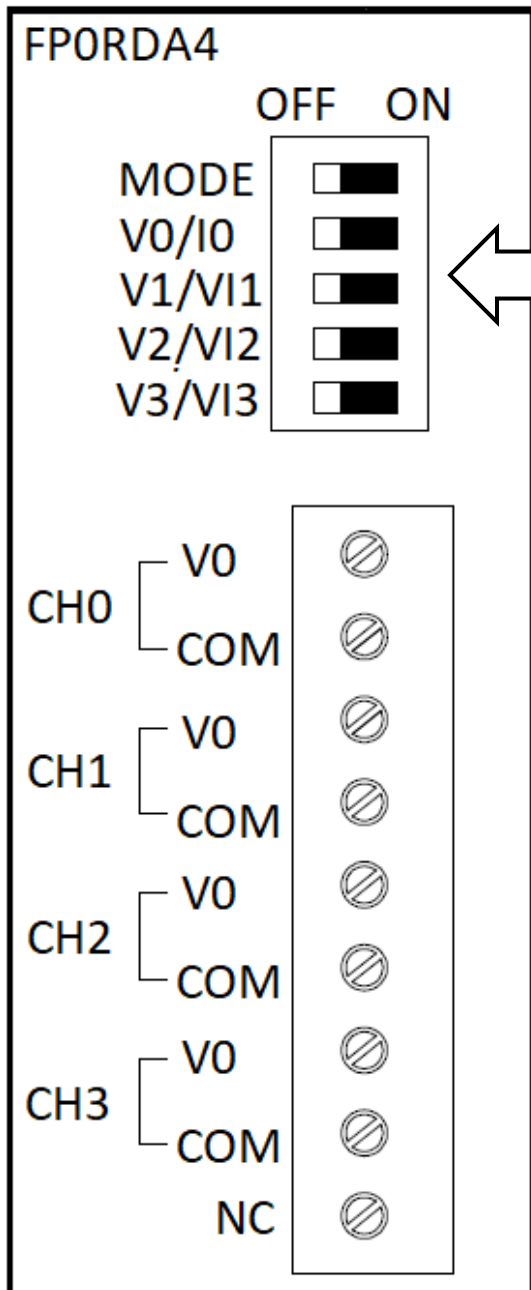


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Analog Output Card:

TP-220515



Mode Setting Switch:

Mode: OFF – 12-bit mode

V0/I0: Voltage Output/Current Output

V1/I1: Voltage Output/Current Output

V2/I2: Voltage Output/Current Output

V3/I3: Voltage Output/Current Output

Factory Settings Shown – All switches set to “OFF”

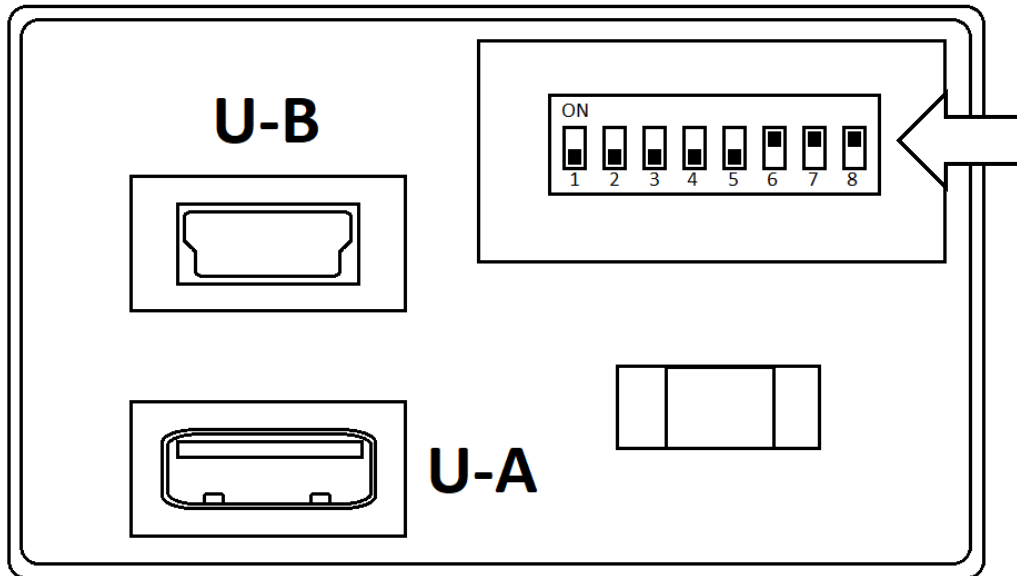


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Touch Screen Back Panel DIP Switch Settings:

TP-220363



DIP Switch Functions (Factory Settings Shown):

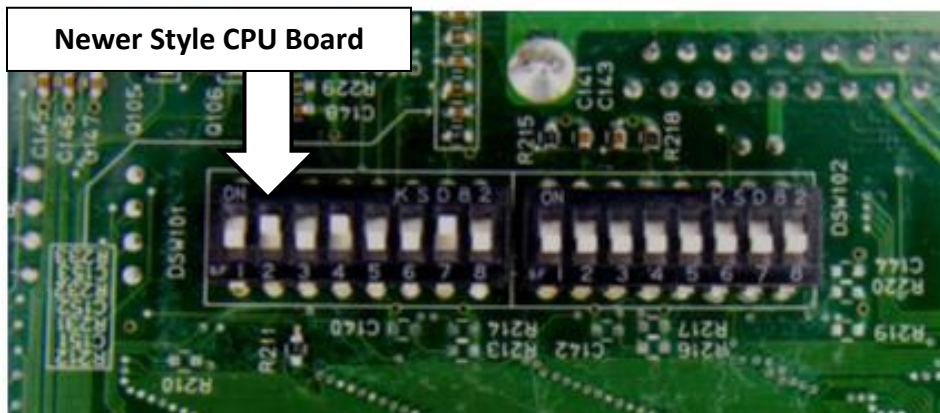
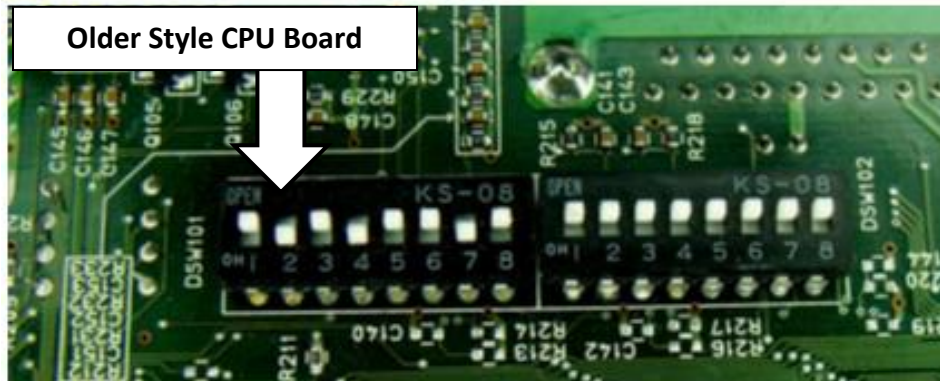
1. Automatic Storage Upload
2. Switch from 4-wire mode to 2-wire mode for COM1 (+)
3. Switch from 4-wire mode to 2-wire mode for COM1 (-)
4. Terminating Resistor (-RD/SG)
5. Terminating Resistor (+RD/5V)
6. Terminating Resistor for COM1 +SD/-SD
7. Terminating Resistor for COM1 +RD/-RD
8. Terminating Resistor for COM3



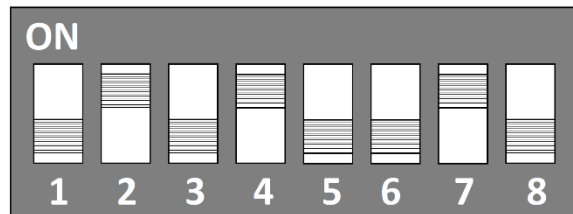
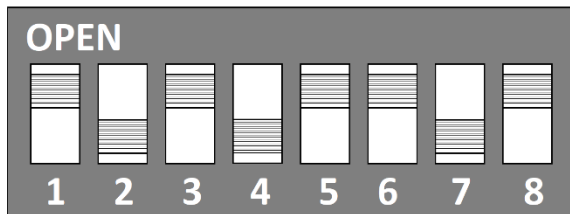
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Ti-1000 TEC Printer CPU DIP Switch Settings: TP-T2036301 & TP-T2036401



DIP Switch DSW 101, Switch 2, controls Baud Rate on both the older and newer style CPU Boards (Note: The different terminology between the older and newer versions. "OPEN" is equivalent to "OFF", while "CLOSED" is the same as "ON").



Older Style:

SW2 Closed = 9600 BPS

SW2 Open = 19200 BPS

Newer Style:

SW2 ON = 9600 BPS

SW2 OFF = 19200 BPS

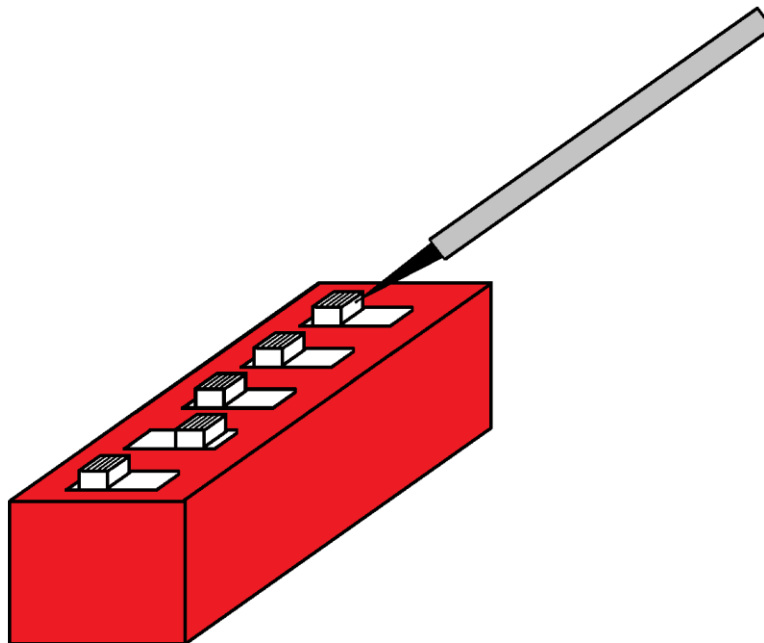


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Changing DIP Switch Settings:

If it becomes necessary to change DIP Switch settings, the switches can be toggled using a small screwdriver or pencil to slide the switch from one position to another.



Caution: Only change DIP Switch settings at the direction of qualified APPI Service Personnel.

Note: Depending upon the device, configuration changes controlled by DIP Switch settings may not become active until the device is restarted.