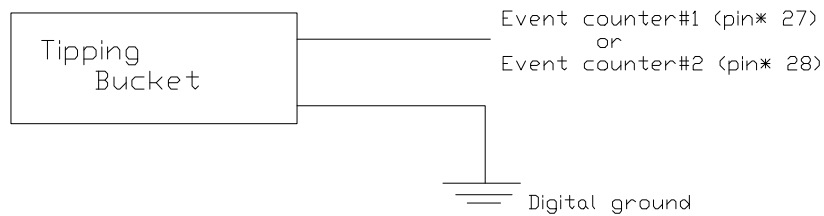


APPLICATION NOTE: Connection of tipping buckets (and other switch-based sensors) to the PDAS-II data logger.

Begin by connecting the sensor as shown below.



*Pin numbers refer to the 28-pin AMP CPC connector that is present on all PDAS-II units for the inputs and outputs of the Analog Input System (AIS). For units equipped with the **TS-AIS/PNL** or **TS-AIS/DIN** terminal strip options, simply make the connections shown in the schematic above to the proper terminal. However, note that the labeling of the terminals on some **TS-AIS/DIN** are not quite correct; Event Counters 1 and 2 should be swapped.

Now configure the logger using the menu system. This is done from *Sensor Log Table* as described in the User Reference Manual. When prompted as follows:

```
---SELECT SENSOR---  
1 AD channel 1  
2 AD channel 2  
3 AD channel 3  
4 AD channel 4  
5 Aux. (0-20) V  
6 Lithium V  
7 Main Pwr V  
8 Internal Temp  
9 Event Cnt 1  
10 Event Cnt 2  
11 PSE Shaft Encoder  
12 PSE Event Cnt1  
13 PSE Event Cnt2
```

...select item '9' or '10' depending on your connections and proceed with the configuration. When prompted for the scale of the event counters, specify the value of each count of the tipping bucket. Therefore, if each tip is equal to .25 mm of rain enter 0.25.