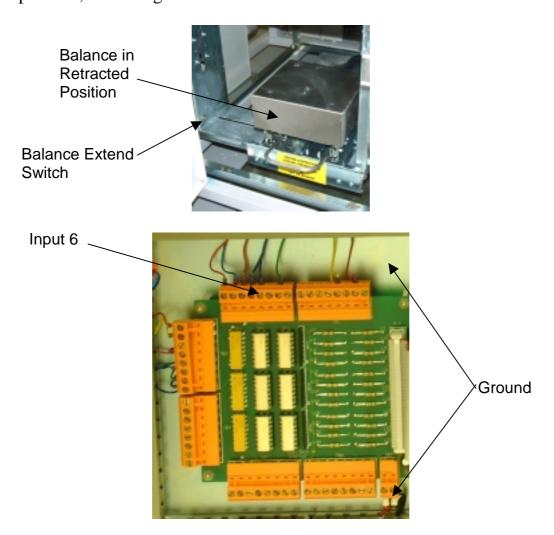
Technical Bulletin #19 Checking Input Board Signals

Input Board PCB 5367-3 provides signals based on the condition of switches on the Dispenser to the Main Controller Board to determine the state of the switch. Generally if the condition is false, 3V is seen on the input, when true, 0V on the input with reference to ground.

Example:

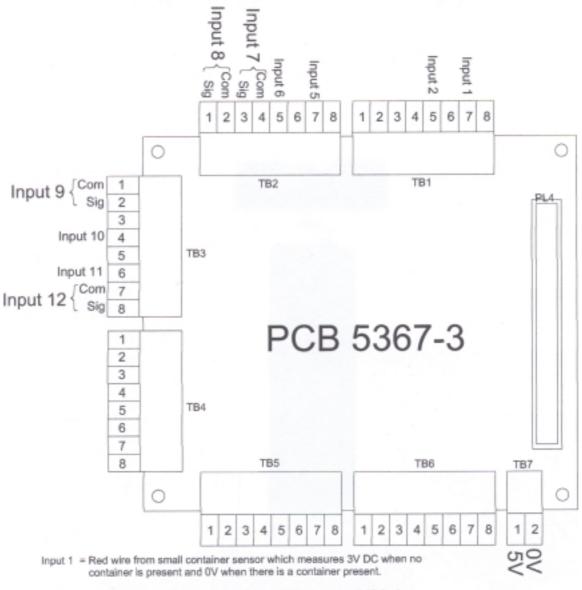
The Balance Extend Switch. If the Balance is positioned to the right, i.e. in the retract position, measuring between Input 6 of the Input Board and ground should produce a 6V potential difference. If the Balance is extended, in the left hand position, the voltage should be 0V.



If there is 0V on Input 6 when in the retract position, disconnect the input wire, if still 0V, change PCB 5367-3. If there is 3V on Input 6 when the balance is extended, check the switch and wiring continuity.

All other inputs work on the same principle, check the voltages for both conditions, the switch condition and wiring.

The Input Board of an HP1018 showing all inputs.



- Input 2 = Yellow wire from large container sensor which measures 3V DC when no container is present and 0V when there is a container present.
- Input 5 = Green wire from the balance left/right retract switch which measures 3V DC when the balance is extended left and 0V when the balance is retracted right.
- Input 6 = Blue wire from the balance left/right extend switch which measures 3V DC when the balance is retracted and 0V when the balance is extended left.
- Input 7 = Red & Blue wires from the Emergency Stop Relay which measures 0V when the E/Stop is active and 3V when the E/Stop is de-active.
- Input 8 = Red & Blue wires from the Air Switch which measures 0V when the air is present and 3V when the air is off.
- Input 9 = Red & Yellow wires from the balance home switch which measures 3V when the balance is not at home and 0V when it is.
- Input 10 = Red wire from the balance handle lock switch which measures 3V when the handle is not locked and 0V when the handle is locked.
- Input 11 = Blue wire from the queuer piston retract switch which measures 3V when the piston is extended out and 0V when the piston is retracted in.
- Input 12 = Green & Blue wires from the door switch which measures 3V when the front door is open and 0V when the door is closed.