

**Note: When power is first applied or Wheel Detection Module is programmed it must be reset to enable the Switch Machine.**

Auto-Line Option 10LP/300 using pins #5 and #7 require programming the MicroController and Wheel Detection Module.

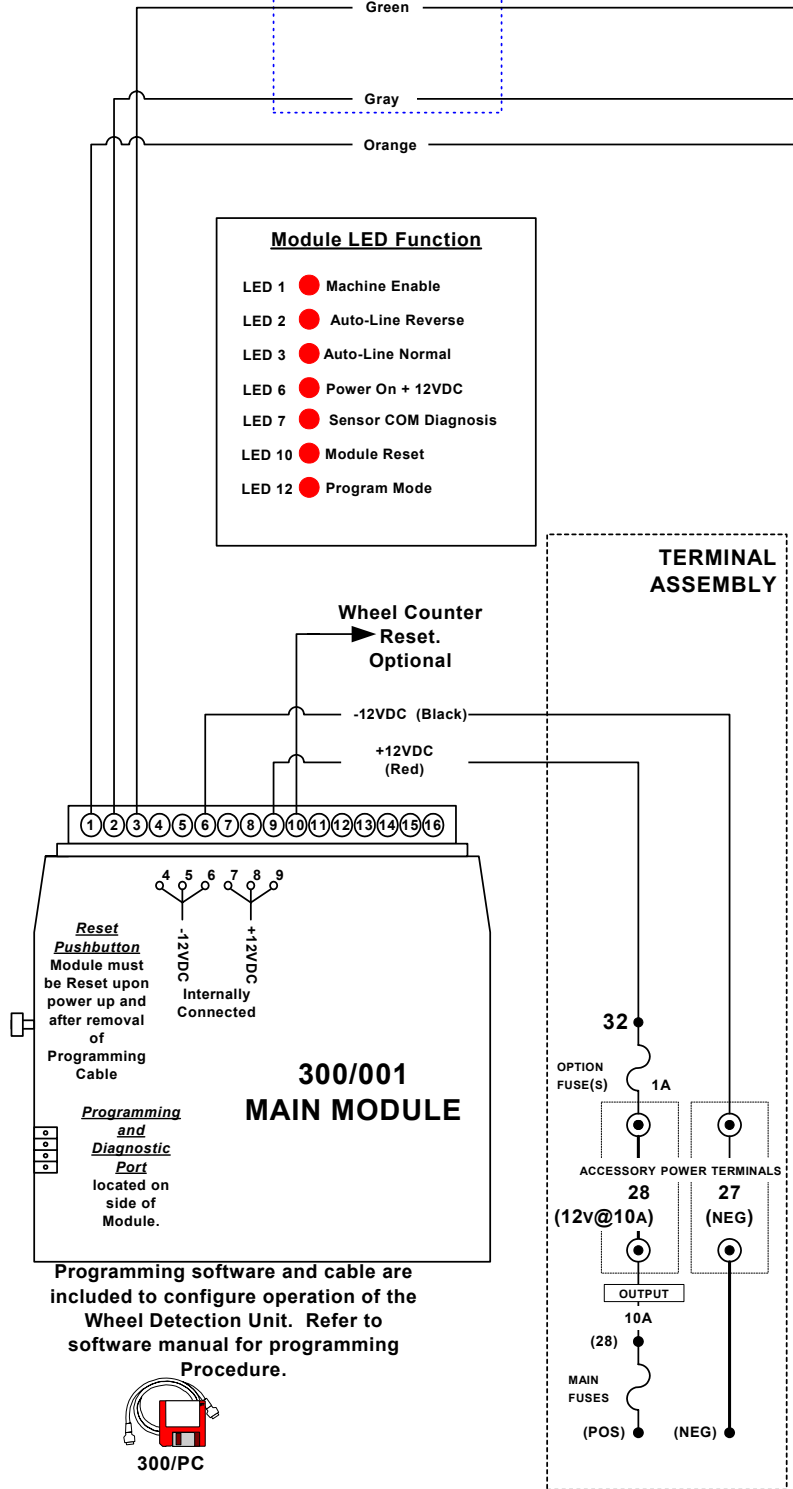
**Module LED Function**

- LED 1 ● Machine Enable
- LED 2 ● Auto-Line Reverse
- LED 3 ● Auto-Line Normal
- LED 6 ● Power On + 12VDC
- LED 7 ● Sensor COM Diagnosis
- LED 10 ● Module Reset
- LED 12 ● Program Mode

**MICRO CONTROLLER**  
Part # 310050-01D

- 1 NORMAL COMMAND
- 2 TOGGLE COMMAND
- 3 REVERSE COMMAND
- 4 THROW DISABLE PIN 4
- 5 AUXILIARY NORMAL COMMAND
- 6 AUXILIARY TOGGLE COMMAND
- 7 AUXILIARY REVERSE COMMAND
- 8 THROW DISABLE PIN 8
- 9 PRESSURE SWITCH
- 10 NORMAL PROXIMITY SENSOR
- 11 REVERSE PROXIMITY SENSOR
- 12 SELF RESTORE ACTIVATE
- 13 SELF RESTORE DETECT
- 14 AUXILIARY NORMAL CONFIRMATION
- 15 AUXILIARY REVERSE CONFIRMATION
- 16 BULB FAIL DETECT (ACTIVE LOW)
- 17 NORMAL SOLENOID
- 18 REVERSE SOLENOID
- 19 MOTOR SOLENOID
- 20 MACHINE DISABLE ALARM
- 21 MACHINE FAULT ALARM
- 22 COMMUNICATION FAULT
- 23 NORMAL INDICATION
- 24 GAPPED POINT INDICATION
- 25 REVERSE INDICATION
- 26 STROBE LIGHT
- 27
- 27 BATTERY NEGATIVE (COMMON)
- 27
- 28 OUTPUT SUPPLY - 12VDC @ 10A
- 28 OUTPUT SUPPLY - 12VDC @ 10A
- 29 LOGIC SUPPLY - 12VDC @ 1A

**TERMINAL ASSEMBLY**



THIS SHEET SHOWS THE WIRING FOR THIS OPTION ONLY. REFER TO BASIC MACHINE SCHEMATIC FOR MACHINE CONNECTIONS.

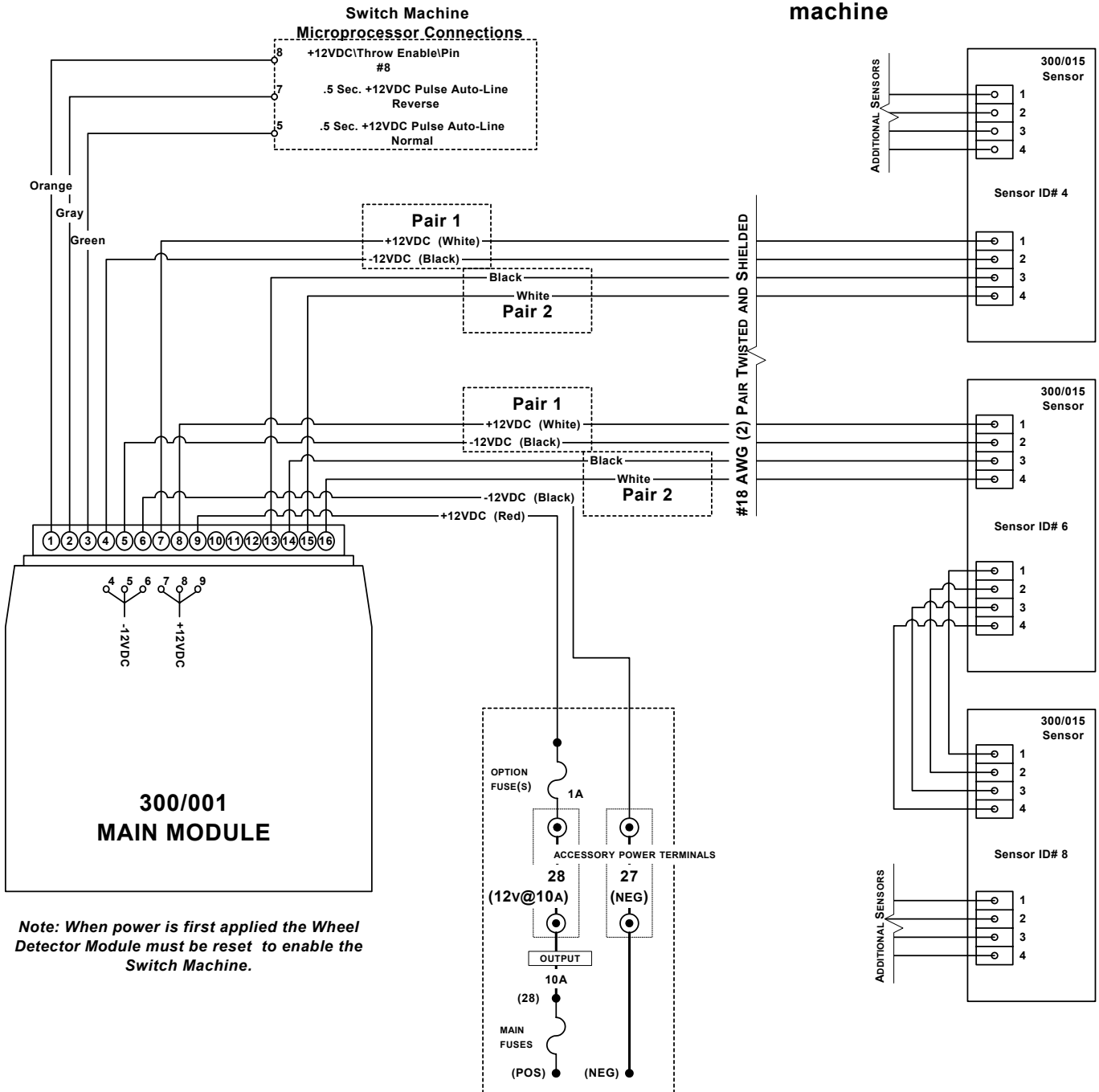
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### 3-Detector wiring circuit

Additional Sensors can be added by wiring them parallel to the Main Module or to other Sensors.

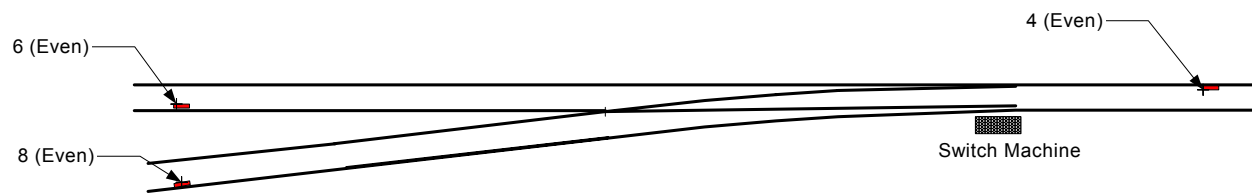
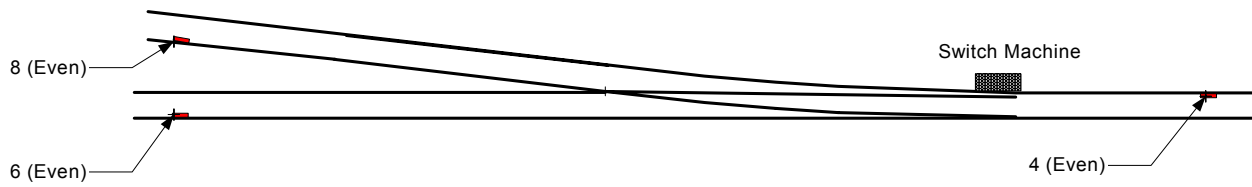
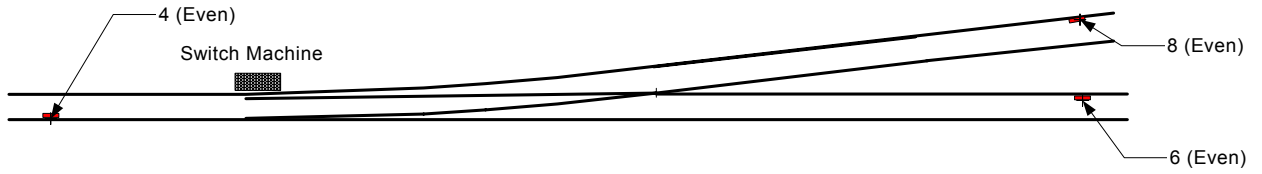
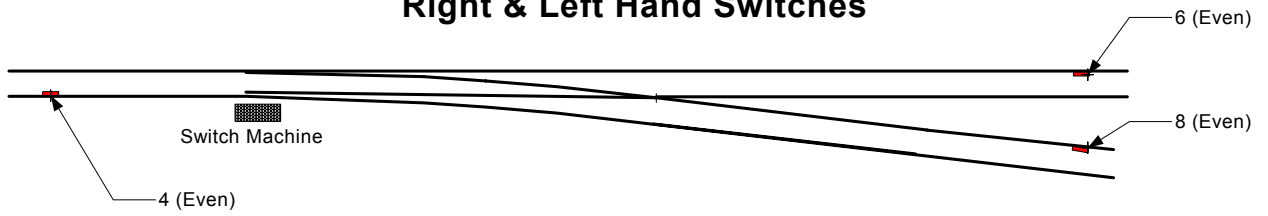
**Important:**

All shield wires or extra conductors inside the cable must be tied together inside each sensor being daisy-chained and landed on Battery Negative (-12vdc) inside the switch machine

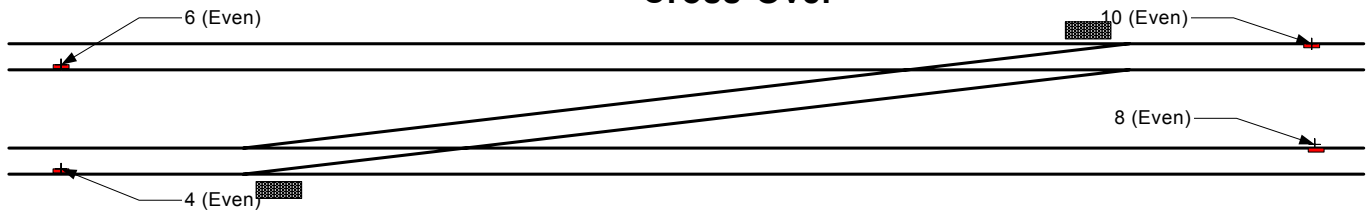


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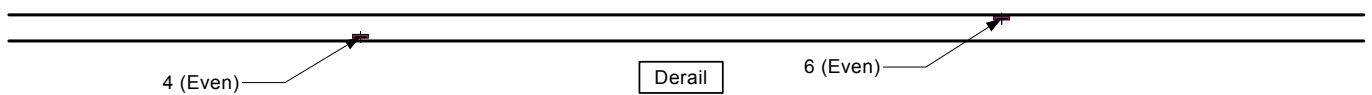
## Right & Left Hand Switches



## Cross-Over



## Derail



R A I L W A Y T E C H N O L O G Y I N C O R P O R A T E D

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