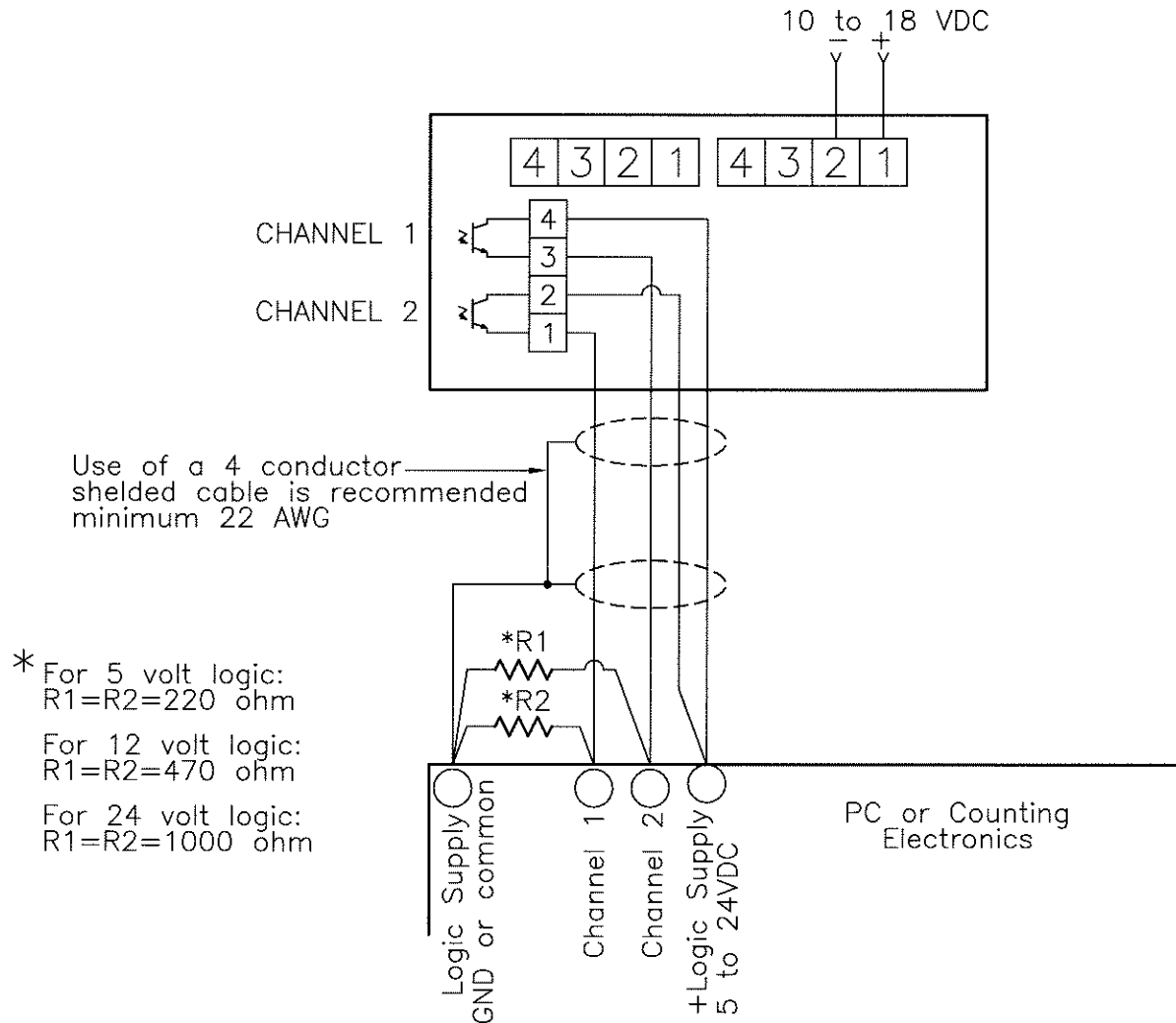


INTROL RAIL CAR WHEEL DETECTION SYSTEM with TWO CHANNEL QUADRATURE OUTPUT OPTION

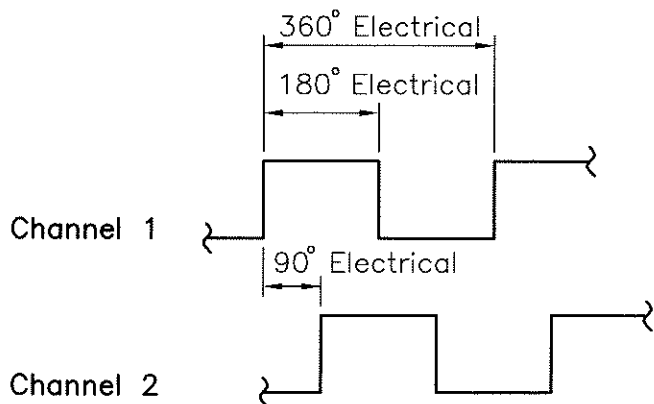
These wheel sensors have been specially modified to provide a two channel quadrature output pulse to interface to an external counting circuit or a PC. The outputs from these modified sensors are optically isolated from the power source to the wheel sensors, to prevent possible ground loops and isolation issues. Please see the recommended connection diagram and pulse output format below. Each output is capable of sinking/sourcing up to 50ma.

Connector Location of the Wheel Sensor and Recommended Connection



Two channel outputs are provided in Quadrature format with about 90° electrical shift as the wheels pass over the sensors.

FORWARD MOTION



REVERSE MOTION

