



WReCon - LITE

Western Reserve Controls introduces new Specialty IP67 I/O Blocks



Western Reserve Controls announces a family of DeviceNet IP67 specialty I/O blocks. The initial introduction includes the W67-MSC, High Speed Counter Block, W67-ALARM and the W67-AI, Analog Input Block.

W67-MSC High Speed Counter Block offers several options for directional counting as well as an interface for absolute encoders. A digital output is provided for limit / positional alarms in both hardware and over DeviceNet.



WRC products are manufactured in Akron, Ohio

W67-Alarm Analog Input Block provides two 0-10 Vdc analog inputs. In addition, each analog input has a software settable high and low alarm limit.

Each alarm limit can drive a digital output on the Block and trigger an alarm bit over DeviceNet. W67-AI Analog Input provides four 0-10 Vdc analog inputs.

Medium Speed Counter Block

The W67-MSC is a 32-bit up or down counter operating at 2 KHz. User selectable modes of operation include either directional pulse counting with pre-set alarm or Quadrature Encoder input.

Pulse Direction count mode allows hardware or software to control the direction of counting, provides 1 "Count" Input, 1 "Direction" Input an "Enable" input, and an output triggered upon reaching a preset limit.

The Quadrature Encoding mode supports a Phase A input, Phase B input, an index and provides an output to power the encoder. A software alarm can be initiated based upon position.

Analog Alarm Block

W67-Alarm provides two 10-bit, 0-10 Vdc analog inputs over DeviceNet. Each analog input has a high and a low alarm limit assigned over DeviceNet and has a discrete output associated with it. This can

be used to turn on a light, trigger an event, or to raise attention in some manner.



WRC is one of the original members of ODVA

This bit is in the DeviceNet data structure and can be polled or set-up as a COS alarm.

Analog Input Block

The W67-AI Analog Block provides four 0-10 Vdc 10-bit analog inputs. This block supports polling, COS, and Cyclic modes.

WRC can provide external signal conditioning for connecting other analog sensors such as millivolts, voltage ranges other than 0-10 Vdc, RTDs, thermocouples, potentiometers, and strain gauges.

All W67 I/O Blocks provide DIP switch settings for address and data rate and are IP67 compliant. Network status LED, alarm and diagnostic LEDs are standard.

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