

Danntech Process Instrumentation

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[Quad Signal Processor Products](#)

Least Gate (ABB) Transmitter 24/12 VDC

Customized “Least Gate” functions have been programmed into the Quad Signal Processor for use in a mine winder application. Using four voltage inputs, three outputs are produced which are dependent upon all of the inputs. A block diagram description of the operation of the unit as well as a written explanation was used to develop the functionality of the Quad Signal Processor. The main benefit over using a PLC approach is that it is compact and cost effective for applications which require several devices with the same function. The unit cost after the firmware has been written is the same as for a standard unit. [\[Product Details...\]](#)

Quad Isolating Signal Converter 24/12 VDC

Four separate isolated transmitters in a compact package providing a variety of “factory configured” input and output options. [\[Product Details...\]](#)

Maximum, Minimum and Summation/Averaging Transmitter 24/12 VDC

Two, three of four inputs can be used with three outputs for the maximum of the inputs, the minimum and the average (or summation) of the inputs. The digital inputs are used to select how many analogue inputs are required. [\[Product Details...\]](#)

Four Output Signal Splitter 24/12 VDC

Four isolated outputs are produced from a single analogue input. Useful for sending isolated primary measurements to several input devices. [\[Product Details...\]](#)

Change per any Single Input or Output from 4-20 mA

There is a cost to change any of the inputs and outputs from the standard 4 to 20 mA ranges. In the case of regular or quantity requirements these nominal costs can be negotiated. [\[Product Details...\]](#)

Custom Firmware Development for QSP

Specialized configurations can be provided with a once off configuration charge. A block diagram description of the operation of the unit as well as a written explanation is required to develop the customized functionality of the Quad Signal Processor. The main benefit over using a PLC approach is that it is compact and cost effective for applications which require several devices with the same function. The unit cost after the firmware has been written is the same as for a standard unit. [\[Product Details...\]](#)