

## United Electric

The reasons why your project consultant recommended a transmitter were very few such as reliable solid state design and diagnostics features. This was an interim solution before smart switches took over best switching practices!

The fact is - transmitter at 100 msec response time is a very slow responding device with compare to a snap acting electro-mechanical switch. Add to transmitter response, you also have to count DCS/PLC scan time, so total loop response time goes beyond 500 msec ! That is 125 times more than a snap acting mechanical switch! Not to forget that transmitter uses costlier AI cards in your system which just shoots the budget up as well...!

The seasoned technocrats, therefore still prefer to use reliable manufacturer like UE to select an electro-mechanical pressure / diff. pressure switch / temperature switch for critical controls and alarms!

...and for those who still prefer solid state transmitter design, we have a smart ONE SERIES pressure / temp. / differential pressure switch with local indication and diagnostics, using less expensive DI cards of your host, it offers full switching in just 30 msec (60 in worst case!). Impressive, 15 times faster than a transmitter loop. Well, OEMs can cut the cost by opting for transmitter + switch + indication removing 3 instruments with only 1.

It is time to use transmitters only for monitoring the process as it's originally designed for (you can't take a passenger plane to fight a war!) and not for critical control, shut down and alarms!

Because UE has better solution to your needs now!