The Digihelic® Controller allows the selection of pressure, velocity or volumetric flow accuracy on ranges from 5 to 100 in w.c. ideal instrument for pressure, velocity and flow applications, achieving a 0.5% full scale output. Combining these three features allows the reduction of several instruments with one possessing a digital display gage, control relay switches, and a transmitter with current communications; and field calibration.

The Series DH Digihelic® Differential Pressure Controller is a 3-in-1 instrument: gage, switch and transmitter, square root extractor for air flow. It is a 3-in-1 instrument possessing a digital display gage, control relay switches, and a transmitter with current output. Combining these three features allows the reduction of several instruments with one product, saving inventory, installation time and money. The Digihelic® Controller is the ideal instrument for pressure, velocity and flow applications, achieving a 0.5% full scale accuracy on ranges from 5 to 100 in w.c.

The Digihelic® Controller allows the selection of pressure, velocity or volumetric flow operation in several commonly used engineering units. Two SPDT control relays with adjustable deadbands are provided along with a scalable 4-20 mA process output. The Series DH provides maximum flexibility in power usage by allowing 120/240 VAC and also 24 VDC power which is often used in control panels.

Programming is easy using the menu key to access five simplified menus which provide access to: security level; selection of pressure, velocity or flow operation; selection of engineering units; k-factor for use with flow sensors; rectangular or circular duct for inputting area in flow applications; set point control or set point and alarm operation; alarm operation as a high, low or high/low alarm; automatic or manual alarm reset; alarm delay; view peak and valley process readings; digital damping for smoothing erratic process operation; scaling the 4-20 mA process output to fit your application’s range; Modbus® communications; and field calibration.

With all this packed into one product it is easy to see why the Digihelic® Controller is the only instrument you will need for all your pressure applications.