The Series DHII Digihelic® II Differential Pressure Controller takes all the features of the standard Digihelic® Pressure Controller and packages them in a robust NEMA 4 (IP66) housing.

The Digihelic® II Pressure Controller combines the 2 SPDT control relays, 4 to 20 mA process output and Modbus® communications with a large, brightly backlit 4 digit LCD display that can easily be seen from long distances. The electrical wiring has also been enhanced in the DHII with its detachable terminal blocks.

APPLICATIONS
• NEMA 4 housing enables a range of uses both outdoors or indoors where water is present
• Large backlit LCD display provides local reading from a distance
• Detachable terminal blocks reduce wiring difficulties saving installation time

FEATURES/BENEFITS
• Detachable terminal blocks reduce wiring difficulties saving installation time
• Large backlit LCD display provides local reading from a distance

ACCESSORIES
• Air handlers
• Clean rooms

Digihelic Links®
Communications software

SPECIFICATIONS
Service: Air and non-combustible, compatible gases.
Wetted Materials: Consult factory.
Housing Material: Aluminum, glass.
Accuracy: ±0.5% at 77°F (25°C) including hysteresis and repeatability (after 1 hour warm-up).
Stability: ±1% per year.
Pressure Limits: Ranges ≤ 2.5 in w.c. = 2 psi; 5": 5 psi; 10": 5 psi; 25": 5 psi; 50": 5 psi, 100": 9 psi.
Temperature Limits: 32 to 140°F (0 to 60°C).
Compensated Temperature Limits: 32 to 140°F (0 to 60°C).
Thermal Effects: 0.020%/°F (0.036/°C) from 77°F (25°C).
Power Requirements:
High voltage power = 100 to 240 VAC, 50 to 400 Hz or 132 to 240 VDC; Low voltage power = 24 VDC ±20%.

Power Consumption:
Low voltage power = 24 VDC - 130 mA max; High voltage power = 100 to 240 VAC, 132 to 240 VDC - 7 VA max.

Output Signal: 4 to 20 mA DC into 900 0 max.
Zero & Span Adjustments: Accessible via menus.
Response Time: 250 ms (dampening set to 1).
Display: 4 digit backlit LCD and 0.6° height. LED indicators for set point and alarm status.
Electrical Connections: Euro type removable terminal blocks with watertight conduit fittings for 1/2" watertight conduit.
Process Connections: 1/8" female NPT.
Enclosure Rating: Designed to meet NEMA 4 (IP66).
Mounting Orientation: Mount unit in horizontal plane.
Weight: 2 lb 10 oz (1.19 kg).
Serial Communications: Modbus® RTU, RS485, 9600 baud.
Agency Approvals: CE, UL.

SWITCH SPECIFICATIONS
Switch Type: 2 SPDT relays.
Electrical Rating: 8 amps at 240 VAC resistive.
Set Point Adjustment: Adjustable via keypad on face.

OPTIONS
Use order code: Description
-NIST NIST calibration certificate

DSWYER INSTRUMENTS, INC.  dwyer-inst.com

DIGIHELIC® II DIFFERENTIAL PRESSURE CONTROLLER
NEMA 4 (IP66) Housing With Large, Bright LCD, Square Root Output for Flow

OPTIONS
Use order code: Description
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DIGIHELIC® II DIFFERENTIAL PRESSURE CONTROLLER
NEMA 4 (IP66) Housing With Large, Bright LCD, Square Root Output for Flow

PRODUCTS
Gages/Switches, Transmitters
The Digihelic® II Pressure Controller combines the 2 SPDT control relays, 4 to 20 mA process output and Modbus® communications with a large, brightly backlit 4 digit LCD display that can easily be seen from long distances. The electrical wiring has also been enhanced in the DHII with its detachable terminal blocks.

APPLICATIONS
• Detachable terminal blocks reduce wiring difficulties saving installation time
• Large backlight LCD display provides local reading from a distance
• NEMA 4 housing enables a range of uses both outdoors or indoors where water is present

FEATURES/BENEFITS
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• Large backlit LCD display provides local reading from a distance

ACCESSORIES
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