



PRESSURE

DIFFERENTIAL PRESSURE CONTROLLER DIGIHELIC DH SERIES

DESCRIPTION

The **DH Digihelic® Series differential pressure controller** is a 3-in-1 instrument possessing a digital display gauge, control relay switches, and a transmitter with current output. The **DH Digihelic® Series** 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.

FEATURES

- Allows the selection of pressure, velocity, or volumetric flow operation
- Provides extreme flexibility in power usage by allowing 120/220 VAC and 24 VDC
- Easy programming using the menu key to access five simplified menus

NEW!

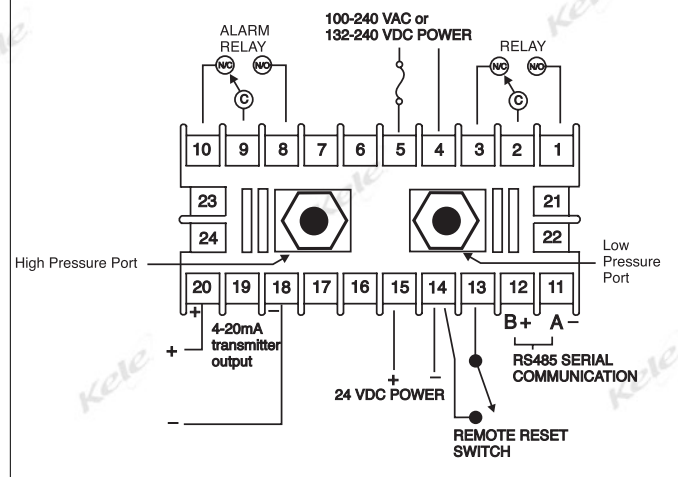


Digihelic DH Series

SPECIFICATIONS

Supply Current	Low voltage power: 24 VDC to 130 mA max; High voltage power: 100-240 VAC, 132-240 VDC - 7VA max.
Signal Output Accuracy	4-20 mA DC into 900Ω max. ±0.5% @ 77°F (25°C) including hysteresis and repeatability
Thermal Effect Stability Display	0.020%/°F (0.036/°C) from 77°F (25°C) <± 1% per year 4 digit LCD 0.4" height. LED indicators for set point and alarm status
Response Time	250 ms
Operating Temperature	32° to 140°F (0° to 60°C)
Enclosure Rating	Face designed to meet NEMA 4X (IP66)
Process Connection	Compression fitting for use with 1/8" ID x 1/4" OD tubing (0.3 x 0.6 cm). Optional barbed fitting for 3/16" ID tubing.
Communication Ports	Modbus® RTU, RS485, 9600 baud
Housing Material	ABS plastic, UL approved 94-V-0
Media Compatibility	Air and non-combustible, compatible gases
Mounting Orientation	Mount unit in horizontal plane
Panel Cutout	1.8 x 3.6 in (4.6 x 9.1 cm)
Power Requirements	High voltage power: 100-240 VAC, 50-400 Hz or 132-240 VDC; Low voltage power: 24 VDC ±20%
Pressure Range	0.25-0-0.25 in w.c.
Size	1/8 DIN
Approvals	CE, cULus file #E83725
Weight	0.9 lb (0.4 kg)
Warranty	1 year

WIRING



ORDERING INFORMATION

MODEL	DESCRIPTION
DH-002	Digihelic differential pressure controller, 0-0.25" W.C.
DH-004	Digihelic differential pressure controller, 0-1.0" W.C.
DH-006	Digihelic differential pressure controller, 0-5.0" W.C.
DH-007	Digihelic differential pressure controller, 0-10.0" W.C.
DH-008	Digihelic differential pressure controller, 0-25.0" W.C.
DH-009	Digihelic differential pressure controller, 0-50.0" W.C.
DH-010	Digihelic differential pressure controller, 0-100.0" W.C.
DH-012	Digihelic differential pressure controller, 0.25-0-0.25" W.C.
DH-014	Digihelic differential pressure controller, 1.0-0-1.0" W.C.
DH-015	Digihelic differential pressure controller, 2.5-0-2.5" W.C.