











34D for Pneumatic and All-Fluid applications, 54D for Pneumatic



Pressure sensing technology is critical when pressure monitoring for plant security, or pressure control for high level functionality are needed in an application.

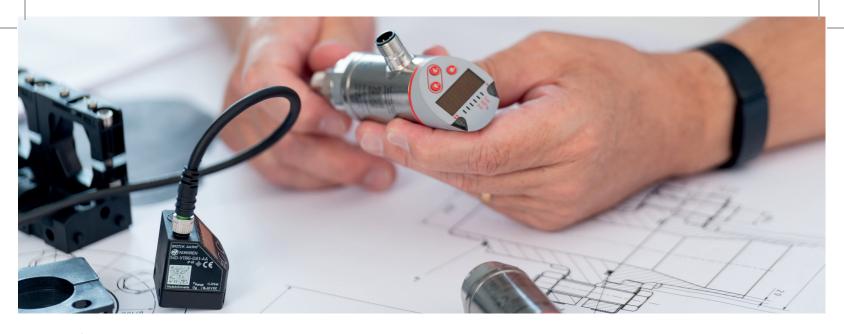
Pressure switches can be used to automatically monitor pressure levels in a pneumatic system, or be used for more complex monitoring functions in air, water, hydraulic or any All-Fluid applications.

## IO-Link enabled sensors makes life easier

- » Connected IO-Link capability allows remote set-up and access to application performance data for improved system monitoring
- » Simple set-up Easy and quick manual set up via 3 buttons or remotely via IO-Link
- » Easy to use Large, highly visible 2 colour programmable 10mm display, with which the switching status can be easily recognized. The LED status indicators are visible from the back.



**Breakthrough** 



# **Industry Focus**

Food and Beverage, Packaging, Chemicals and Pharma, Electronics OEM, General OE Manufacturers and End Users, Utilities, Distribution and Logistics, Machine, Panel and Equipment Manufacturers, Automotive and Transportation.

#### **Product Benefits 34D**

- » Easy installation Rotatable body for easy alignment of the display during installation
- » Universal Pneumatic and All-Fluid process media in single series with 9 pressure levels from vacuum to 600 bar, making it suitable for all applications
- » Robust Stainless steel (1.4404 / 316L) body with laser-engraved Type Code and IP67 protection, suited for aggressive environmental conditions
- » Reliable The ceramic-captive measuring cell ensures a very high overpressure capability, as in the case of pressure hammer and cavitation (dynamic pressure peaks). The measuring cell is also very well suited for aggressive or abrasive media

### **Product Benefits 54D**

- » Easy installation Using integrated mounting holes or a DIN rail bracket for control cabinets as well as a M8 Connector for more flexibility
- » Application Ideally suited for monitoring general vacuum, compressed air and End of Arm Tooling applications
- » Robust PBT engineering polymer housing is mechanically strong and heat resistant
- » Reliable Resistant to moisture, and high IP65 ingress protection as standard

| Series | Medium  | Protection class         |
|--------|---|--------------------------|
| 34D    | Neutral and Aggressive, Gaseous and Liquid Fluids   | IP67 (with moulded Plug) |
| 54D    | Compressed air (filtered/lubricated/non-lubricated) | IP65 0 °C to 70 °C       |

## **Selection of Standard Part Numbers**

| Norgren part number | Port size | Pressure range  | Overpressure | Output signal                                       |
|---------------------|-----------|-----------------|--------------|---|
| 34D-P016G-DA1-AA    | G1/4"     | 0 - 16 bar      | 85 bar       | 1 x PNP (option IO-Link configurable)/1 x analogue  |
| 34D-P016G-DD1-AA    | G1/4"     | 1 - 16 bar      | 85 bar       | 1 x PNP (option IO-Link configurable)               |
| 34D-P040G-DA1-AA    | G1/4"     | 0 - 40 bar      | 200 bar      | 1x PNP (option IO-Link configurable)/1x analogue    |
| 34D-P100G-DA1-AA    | G1/4"     | 0 - 100 bar     | 300 bar      | 1 x PNP (option I/O link configurable)/1 x analogue |
| 34D-P160G-DA1-AA    | G1/4"     | 0 - 160 bar     | 350 bar      | 1 x PNP (option I/O link configurable)/1 x analogue |
| 34D-P250G-DA1-AA    | G1/4"     | 0 - 250 bar     | 500 bar      | 1 x PNP (option I/O link configurable)/1 x analogue |
| 34D-P400G-DA1-AA    | G1/4"     | 0 - 400 bar     | 800 bar      | 1 x PNP (option I/O link configurable)/1 x analogue |
| 54D-P016G-DA1-AA    | G1/8"     | 0 - 16 bar      | 20 bar       | 1 x PNP (option I/O link configurable)/1 x analogue |
| 54D-V101G-DA1-AA    | G1/8"     | -1 bar - 1 bar  | 20 bar       | 1 x PNP (option I/O link configurable)/1 x analogue |
| 54D-V110G-DA1-AA    | G1/8"     | -1 bar - 10 bar | 20 bar       | 1 x PNP (option I/O link configurable)/1 x analogue |



