

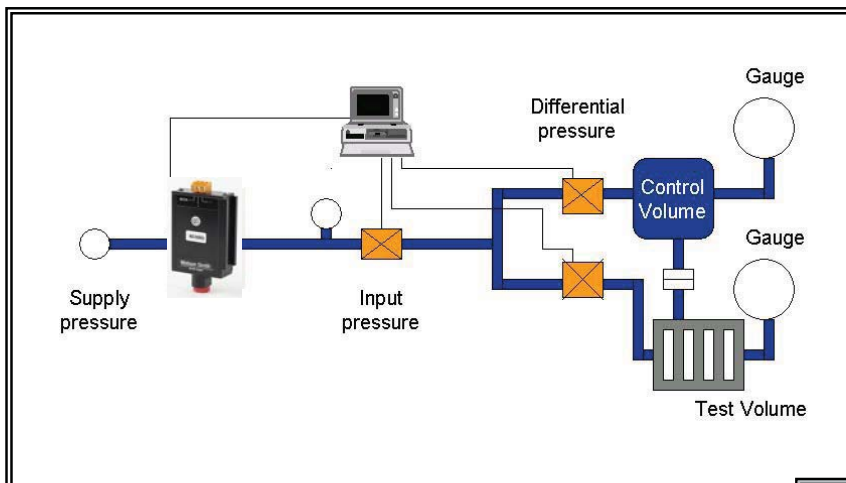
The Type 68 is a two wire pressure/current device Use only non-critical power supplies and can be supplied weatherproof to IP65.

These instruments convert pneumatic pressure into electrical signals for use with data loggers, computers and microprocessors.

- DIN rail or surface mounting
- Weatherproof and Uses non-critical power supplies
- A wide range of pressure inputs available



TYPICAL APPLICATIONS



Industry:

Paper converting, paper processing, wood / pulp processing, steel mills, plastics and rubber manufacture, textile machinery, wire handling.

Any industry requiring a reading of pressure in a pneumatic system converted to an electrical signal:-

- Dancer Arm Control
- Winder System
- Roller Tension System
- Roller Force Control

Solution:

Ensuring your application is operating at the right pressure, the Type 68 measures output pressure and converts to a signal that can then be used to offer application accuracy.



TECHNICAL DATA

Pneumatic

•Air Supply	Dry, non corrosive air or gas. The units are not suitable for continuous liquid exposure
•Air Consumption	Nil
•Pressure Ranges	See ordering information
•Over pressure	At least 100% with negligible calibration error, except for 10bar(150psig) models which are 13.5bar (200psig) maximum
•Connections	1/8" NPT female

Physical

•Operating Temperature	-10°C to +60°C
•I.P. Rating	IP54 (IP65 option available)
•Electromagnetic	Compliant and CE marked in Compatibility accordance with the EC E.M.C. directive. Tested to standards: BS EN50082-2: 1995 and BS EN50081-2: 1994
•Material of Construction	
Casing:	Extruded aluminium, zinc diecast end plates. Transducer: composite construction PCB: epoxy glass fibre
•Mass	200g
•Mounting	(1) DIN rail. clips fit TS32 and TS35 rail (2) Direct pipe mounting
•Electrical connection	Standard - Klippon terminal block to accept cables upto 2.5mm ² Weatherproof - 16mm square connector to DIN43650 to accept cable upto 6mm dia with conductors of 0.75mm ²

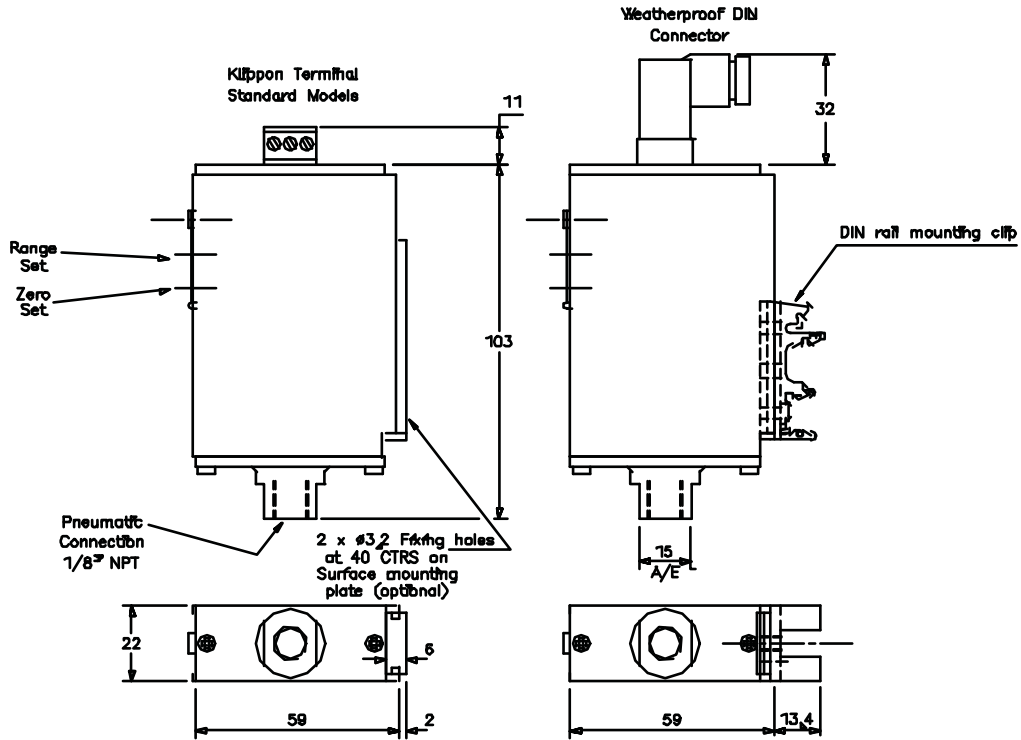
Electrical

•Supply Voltage	9-30V continuous
•Output	4-20mA
•Voltage drop	9V min. (across unit)
•Load resistance	750ohms Max. (24V supply)

Accuracy

•Setting Error	+/-0.2% FS Max.
•Hysteresis, Linearity Repeatability	Typically +/-0.15% +/-0.3%max.
•Power Supply	Sensitivity+/-0.05% FS/V Max
•Temperature Coefficients	(over range 0 to 50°C) -Zero <+/-0.025% FS/°C -Span <+/-0.025% FS/°C -Stability<+/-0.025 over 6 months
•Response Time	<10ms for 95% step output
•Range and Zero controls	+/-10% FS(minimum adjustment)

Installation Diagrams



Ordering Information

Range	Standard	Weatherproof
3-15psig	6801 00	6801 10
0-150psi	6815 00	6815 10
0.2 – 1bar	-	6821 10
0 – 10 bar	6835 00	6835 10
0 – 7 bar	6836 00	-

Note:

1. Other pressure ranges between 50mbar and 10bar are available to order. Please consult factory for availability
2. All models supplied complete with DIN rail clip and mounting plate.
3. A range of models with the temperature compensation -20°C to + 40°C are available for natural gas applications to special order.

CERTIFICATION

All units are individually tested and a test certificate is supplied with every unit.

Your distributor:

Coulton Instrumentation Ltd

17 Somerford Business Park, Christchurch, BH23 3RU, UK

Tel: +44 1202 480 303

E-mail: sales@coulton.com

Web: www.coulton.com

ds68N 10/06

Controlled Doc. 2006-126a

All instruments are tested on the Watson Smith Automatic Testing System and an individual test certificate is provided at no extra charge. Each unit is tested for linearity, hysteresis, total error, air consumption, response time and supply sensitivity.

Our policy is one of continuous research and development. We therefore reserve the right to amend without notice the specifications given in this document. Customers are responsible for ensuring that the product is used only for the purpose for which it is intended. In case of doubt Norgren will be pleased to advise.