Materials
- The materials of construction are as follows:
  - Process Entry: Stainless steel.
  - Terminal Cover: Black anodised Aluminium or Stainless Steel.
- Pad: Stainless Steel or Nitrile 438.
- Diaphragm: Nitrile or Viton.
- Housing: Vikuiti or Nitrile.
- Terminal: Kevlar or Nitrile.
- Bonded Seals: PVC.
- Environmental Seals: Nitrile, Neoprene Rubber and Stainless Steel.
- External Fasteners: Stainless Steel.
- Washers: Stainless Steel or Fas-n-Seal Zinc plated Carbon Steel.

Levels Switches
- Level switches are supplied with a parallel thread for connection to the specified male threaded entry with a suitable bonded seal and threaded fastening.
- These products are designed to be mounted directly to a vessel or container wall or through the vessel or container wall with suitable bonding to prevent static discharge.

Special Conditions
- This product has been certified with an ‘X’ suffix, indicating it is necessary to ensure the selection of construction material from the manufacturer’s catalogue.
- Provide protective support, constant, anchoring, alignment support, and attachment means to prevent movement and over-stressing of connections and flanges.
- Consider conduction within pipes and the means of draining the switch.
- Provide adequate means to remove hazardous materials, normally by gravity flow, where possible, for effective and safe operation.
- Provide adequate means to clean the process and flange surfaces to the specified cleanliness.
- If the switch is to be used in a hazardous area, the switch must be of an appropriate category.
- Flammable End
- No flammable may be made to the flammable end of the switch, with the exception of the switch type E07 or E10.
- The cables supplied shall be suitable based on the classification of gases and vapors in relation to the above categories of gas classification.
- Flammable End losses of pastard strength 240N/m², or greater, are to be provided. Only suitable 6 x 19 flexible cables are to be used.

Documentation
- NFPA 79, without reference.}

Installation

Safety and Health at Work Act 1974

Your attention is drawn to the electrical potential that will be present at the point where the switch is connected to a live supply. The electrical supply must be isolated prior to removal of the terminal housing cover.

Similarly, on pressurised process systems, prior to removal of an instrument it should be isolated from the pressurised medium if the service should be isolated.

Purchasers must be taken to regard the possible operating temperature present when performing maintenance.

The units should be specified, installed and operated by competent personnel and the process plant must be isolated to the calculated IP protection.

Unauthorised modification, repair or operation outside the specified limits may invalidate the warranty. Servicing should be carried out by Pyropress Engineering Ltd.

On pressure devices, should pulsation or surges be present, the switches and associated piping should be adequately sized to prevent undue pressure surges.

The switch has tamperproof adjustment accessed by O-Ring) kits

Pressure Switches
- All switches are pressure actuated and the installation must ensure pressure will be introduced to the sensing element. In some instances, a bleed will be required to prevent excessive overload.

Temperature Switches
- These are usually provided with a thermowell and should be specified for the correct size bonded seal on the specified maximum static pressure and operation check and set to temperature. They can be supplied with a specified valve as a calibrated test instrument.

Connection of terminal box may take place without isolating the electrical supply. Prior to despatch, switches are subjected to a specified maximum static pressure and operation check and set to temperature. Please refer to the certificate for full detail.

Pressure Switches
- To the right, process connection at the bolts with terminal access and room to remove the switch.

Temperature Switches
- These are usually provided with a thermowell and should be specified with a specified maximum static pressure and operation check and set to temperature.

The switch has tamperproof adjustment accessed by removing the adjustment cover through the process entry to the right, process connection at the bolts with terminal access and room to remove the switch.

Routine Maintenance

The units should be specified, installed and operated by qualified personnel, in accordance with manufacturer’s instruction.

The materials of construction from the published specification is compatible with the operating medium. Special Conditions

Pressure Switches
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Temperature Switches
- These are usually provided with a thermowell and should be specified with a specified maximum static pressure and operation check and set to temperature. Please refer to the certificate for full detail.

Pressure Switches
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