

Developed for aviation refuelling applications

The DP-Switch has been designed to automatically stop the refuelling process when the maximum permitted differential pressure for filter elements is reached.

The FAUDI Aviation DP-Switch is designed for connection to a mechanical differential pressure gauge that measures the pressure difference between the inlet and outlet of a filter vessel in safety-critical applications.

The switching pressure is set to 1 bar (15 psi) and designed to stop the refuelling process automatically. It is suitable for competitive exchange and easy to retrofit. The DP-Switch is conform with JIG Bulletins No. 58, 105 & 111.



Application Area

- JIG Bulletin No. 58: Hydrant servicer filter monitor vessels / differential pressure switches

Technical Data

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| • Power supply: | 24 V DC |
| • Power consumption: | 10 mA |
| • Signal voltage: | 18 - 30 V DC |
| • Signal current: | 10 mA |
| • Max. Switching capacity: | 60 W |
| • Max. Switching voltage: | 100 V DC |
| • Max. Switching current: | 2 A |
| • Degree of protection: | |
| - Proximity switch plus cable: | IP65 |
| - Safety relay: | IP 22, to be installed inside a suitable control cabinet |
| • Ex and non-Ex application available: | |
| - Approval of EX-protected version: | EII (1) GD [EEx ia] II |
| • Operating temperature range: | -30°C (-22°F) to + 60°C (140°F) |

Installation

