

# dp-SWITCH

dp-SWITCH complies to requirements of JIG Operational Bulletins No. 58 and 111



The FAUDI Aviation dp-SWITCH is designed to be connected with a mechanical dp gauge that measures the pressure difference between inlet and outlet of a filter vessel in safety-critical applications. The switching pressure is adjusted to 1 bar (15 psi) and designed to automatically stop the fuelling operation. It is suitable for competitive interchange and easy to retrofit.

To ensure a flexible operation, the dp-SWITCH is equipped with a microswitch that enable the switching of an electrical load up to 30 VDC, 2 A directly.

The dp-SWITCH system offered by FAUDI Aviation comes in two alternative options:

- Safe area set
- Hazardous area approved set  
(System fulfills the classification for potentially explosive areas)

All sets are equipped as a standard with stainless steel proximity switch, sensor cable for connection and key switch to reset the safety relay when activated.

## Technical Details

Power Voltage	18 - 30 VDC	
Power Consumption	10 mA	
Signal Voltage	18 - 30 VDC	
Signal Current	10 mA	
Max. Switching Power	50 W	
Max. Switching Voltage	100 VDC	
Max. Switching Current	2 A	
Hazardous area approved version	E	II (1) GD [Ex ia] IIC
Operating Temperature	-30 to + 60 °C	

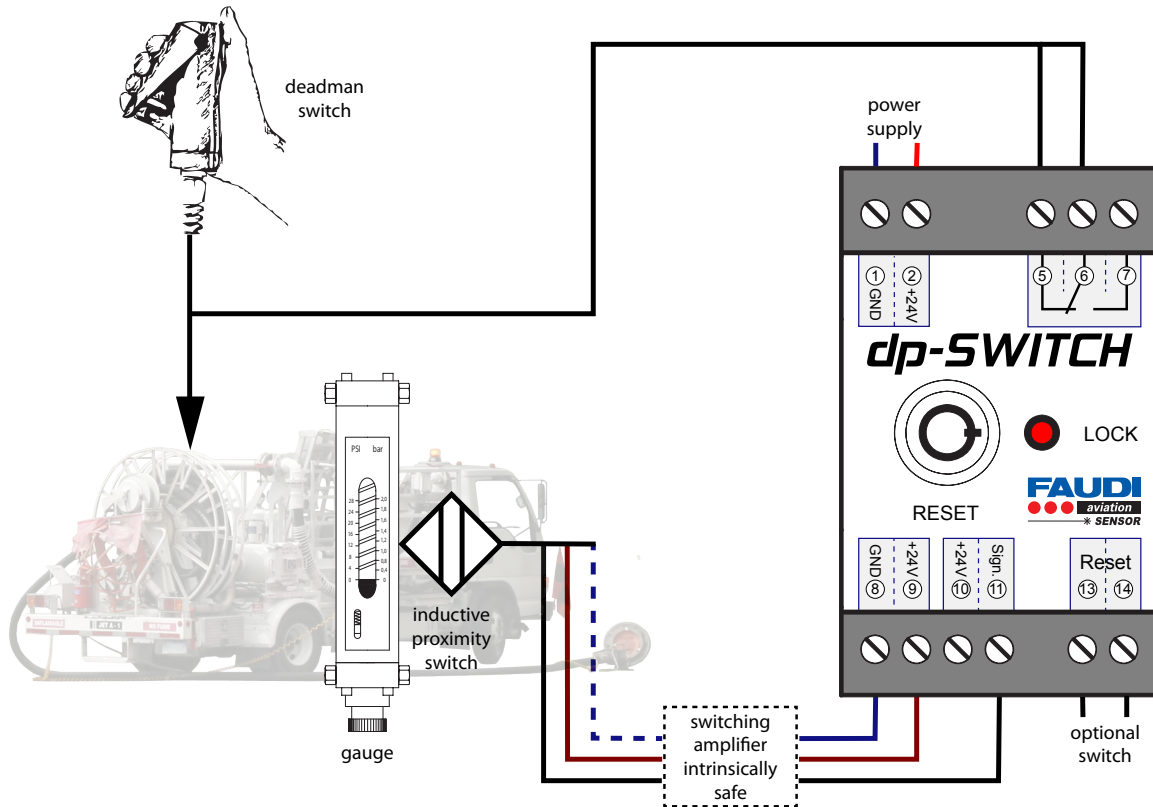
FAUDI Aviation GmbH  
Scharnhorststrasse 7 B  
D-35260 Stadallendorf  
Germany

Phone: +49 6428 4465-275  
Fax: +49 6428 4465-231  
E-Mail: [contact@faudi-aviation.com](mailto:contact@faudi-aviation.com)  
Web: [www.faudi-aviation.com](http://www.faudi-aviation.com)



## dp-SWITCH

### Schematic Diagram



### Equipment

	Article Description	Part No.
<b>dp-SWITCH Safe Area Set</b>	Safe Area Set 24VDC (consisting of)	160 002
	- Mounting Bracket A. Haar	342 006
	- Mounting Bracket Gammon	342 007
	- Proximity Switch	524 000
	- Connection Cable (10 m)	526 000
	- dp-SWITCH Safety Relais (with Reset Key)	600 025

	Article Description	Part No.
<b>dp-SWITCH ATEX Set</b>	ATEX Set 24VDC (consisting of)	160 502
	- Mounting Bracket A. Haar	342 006
	- Mounting Bracket Gammon	342 007
	- Proximity Switch (ATEX)	524 100
	- Intrinsically Safe Barrier (with Power Supply)	525 000
	- Connection Cable (10 m)	526 100
	- dp-SWITCH Safety Relais (with Reset Key)	600 025

FAUDI Aviation GmbH  
Scharnhorststrasse 7 B  
D-35260 Stadallendorf  
Germany

Phone: +49 6428 4465-275  
Fax: +49 6428 4465-231  
E-Mail: [contact@faudi-aviation.com](mailto:contact@faudi-aviation.com)  
Web: [www.faudi-aviation.com](http://www.faudi-aviation.com)

