

APPLICATION NOTE

Active inductive sensor

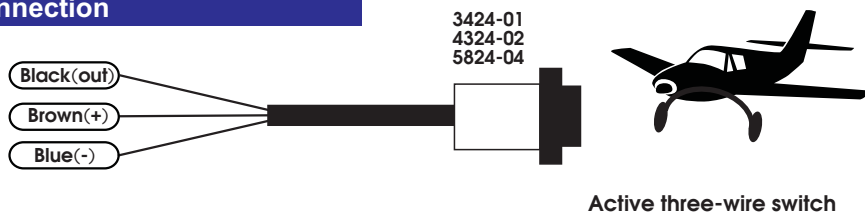
AN-07 for TL-3424, TL-4324, TL-5824

General Information

The Active Inductive Sensor is a very reliable electronic switch, which enables detecting the approach of landing gear metal parts. The switch responds with an impuls if a metal object gets closer than approx. 1,2mm. It is recommended to place the switch in the way that in the moment of the landing gear unloading the switch is undone.

! NOTE: Place the sensor in the way that the operational temperature of the sensor will not be exceeded.

Switch Connection



TL-3424 ACCELEROMETER			
Input	Input Name	Sensor w/colour	I/O
9	Power +12 Volts for sensor	Brown	Out
5	Output from sensor	Black	In
6	Ground for sensor	Blue	--

TL-4324 FATIGUEMETER			
Input	Input Name	Sensor w/colour	I/O
9	Power +12 Volts for sensor	Brown	Out
5	Output from sensor	Black	In
6	Ground for sensor	Blue	--

TL-5824 STRUCTURAL LIFE-MONITORING UNIT			
Input	Input Name	Sensor w/colour	I/O
12	Power +12 Volts for sensor	Brown	Out
4	Output from sensor	Black	In
5	Ground for sensor	Blue	--

Technical information:

Type of Sensor: IA05BSF10POP (Carlo Gavazzi, Italy)

Sensing Distance: 1,2mm (0.047inch)

Operation Temperature: -25°C to +70°C (-13°F to 158°F)

Rev. A

Information furnished by TL elektronik is believed to be accurate and reliable.



TL elektronik, Airport, Building 125, Czech Republic - 503 41 Hradec Kralove

Tel: +420 49 548 23 92, +420 49 548 23 93 • Fax: +420 49 548 23 94
Internet web page address: www.tl-elektronik.com • e-mail: info@tl-elektronik.com