

**Features**

- 2-channel
- 24 V DC supply (bus powered)
- Field circuit protected by fuse

**Function**

The device supports the pass-through of non-intrinsically safe signals from and to the control. The device uses the terminal block on the front side.

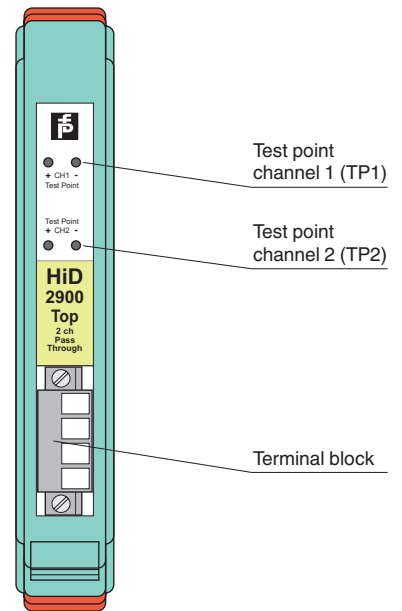
Each channel can be configured via DIP switches for the pass-through of the input signal or the output signal. At the same time, the field device can be supplied via the power supply of the termination board.

The device has an internal resistor. Use this resistance, if you want to convert a 0 mA ... 20 mA signal to a 0 V ... 5 V signal. Choose this function via DIP switches.

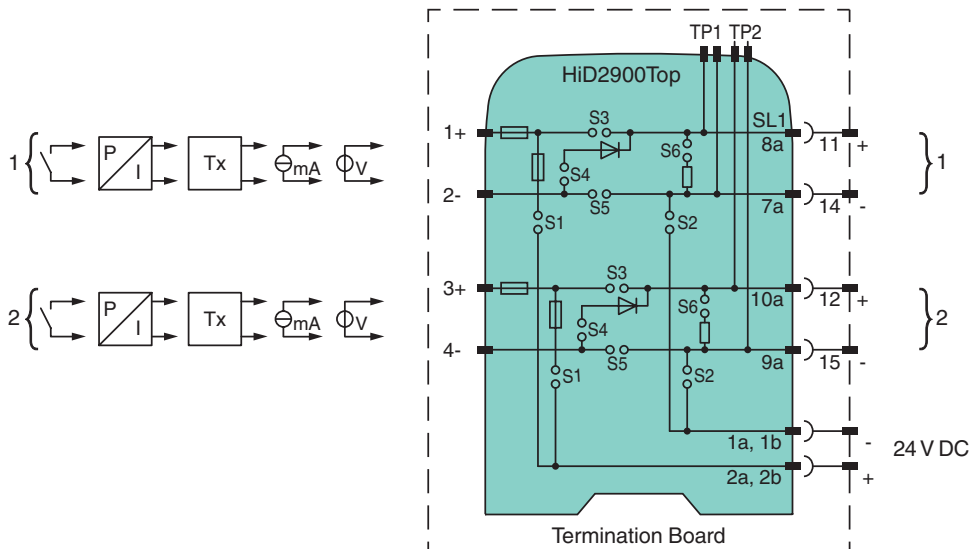
This device mounts on a HiD Termination Board.

**Assembly**

Front view



**Connection**

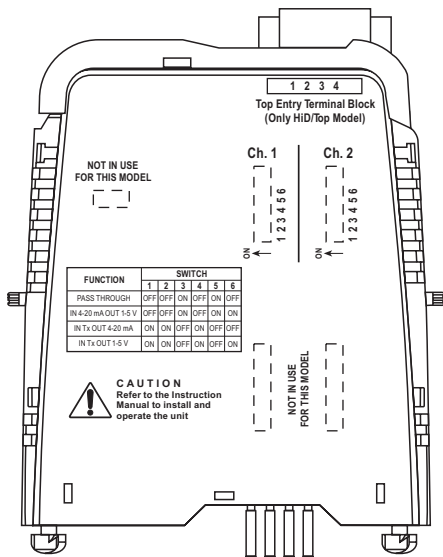


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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

<b>General specifications</b>		
Signal type		Universal
<b>Supply</b>		
Connection		SL1: 1a(-), 1b(-); 2a(+), 2b(+)
Rated voltage	$U_r$	20.4 ... 30 V via Termination Board
Power dissipation		0.2 W
Current		$\leq 75$ mA (per channel)
<b>Control circuit</b>		
Connection		SL1: 8a(+), 7a(-); 10a(+), 9a(-)
Signal		0 ... 20 mA 0 ... 5 V
Internal resistor	$R_i$	250 $\Omega$ via DIP switch and programmable
<b>Field circuit</b>		
Connection		terminals 1, 2, 3, 4
Signal		0 ... 20 mA
<b>Directive conformity</b>		
Electromagnetic compatibility		
Directive 2014/30/EU		EN 61326-1:2013 (industrial locations)
<b>Conformity</b>		
Electromagnetic compatibility		For further information see system description.
Degree of protection		IEC 60529:2001
<b>Ambient conditions</b>		
Ambient temperature		0 ... 60 °C (32 ... 140 °F)
Relative humidity		5 ... 90 %, non-condensing up to 35 °C (95 °F)
<b>Mechanical specifications</b>		
Degree of protection		IP20
Mass		approx. 140 g
Dimensions		18 x 106 x 135 mm (0.7 x 4.2 x 5.3 inch)
Mounting		on Termination Board
<b>General information</b>		
Supplementary information		Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see <a href="http://www.pepperl-fuchs.com">www.pepperl-fuchs.com</a> .

## Configuration



### Switch position

Function channel 1/channel 2	Switch					
	S1	S2	S3	S4	S5	S6
Pass-through	OFF	OFF	ON	OFF	ON	OFF
Input 4 mA ... 20 mA, output 1 V ... 5 V	OFF	OFF	ON	OFF	ON	ON
Power supply, output 4 mA ... 20 mA	ON	ON	OFF	ON	OFF	OFF
Power supply, output 1 V ... 5 V	ON	ON	OFF	ON	OFF	ON

Factory settings: pass-through

Configure the device in the following way:

- Push the red Quick Lok Bars on each side of the device in the upper position.
- Remove the device from Termination Board.
- Set the DIP switches according to the figure.



The pins for this device are trimmed to polarize it according to its safety parameter. Do not change! For further information see system description.

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