

Vaisala HMT360 Transmitters for Hazardous Areas

Output quantities:	Relative humidity (%RH), temperature (°C/ °F), dewpoint temperature (°C/ °F), mixing ratio (g/kg) / (gr/lb), absolute humidity (g/m ³), wet bulb temperature (°C/ °F)
Operating voltage:	12 ... 28 VDC
with serial port (service mode):	15 ... 28 VDC
Two analog outputs:	Two-wire 4 ... 20 mA
Serial output (for service use, only in safe area!):	RS232C
Screw terminals:	0.33 ... 2.0 mm ² wires (AWG 14-22)

Electrical Connections

WARNING

Be sure that the main power switch of the transmitter is set off before making any electrical installations in hazardous areas.

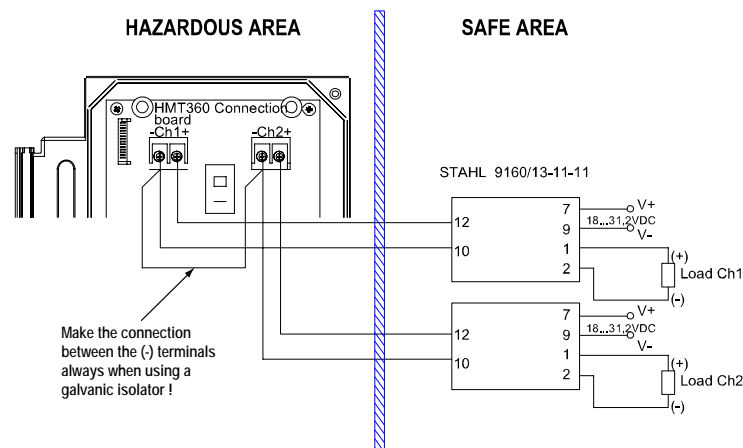
1. Open the transmitter cover and remove the protective cover of the transmitter base.
2. Thread the power supply wires through the cable gland.
3. Connect the unpowered power supply wires to the connectors: CH1 (humidity) and CH2 (temperature). Both channels require an own power supply.

NOTE

As CH1 is a main output, the transmitter does not operate if only CH2 is connected (CH2 is optoisolated from transmitter electronics).

4. Replace the protective cover. Turn the transmitter on ON with the ON/OFF switch.
5. Close the cover. The transmitter is ready for use.

Example of a Connection



Stahl 9160/13-11-11 Galvanic Isolator

Safety factors: $U_i = 30 \text{ V}$; $I_i = 100 \text{ mA}$; $C_i, L_i = \text{negligible}$