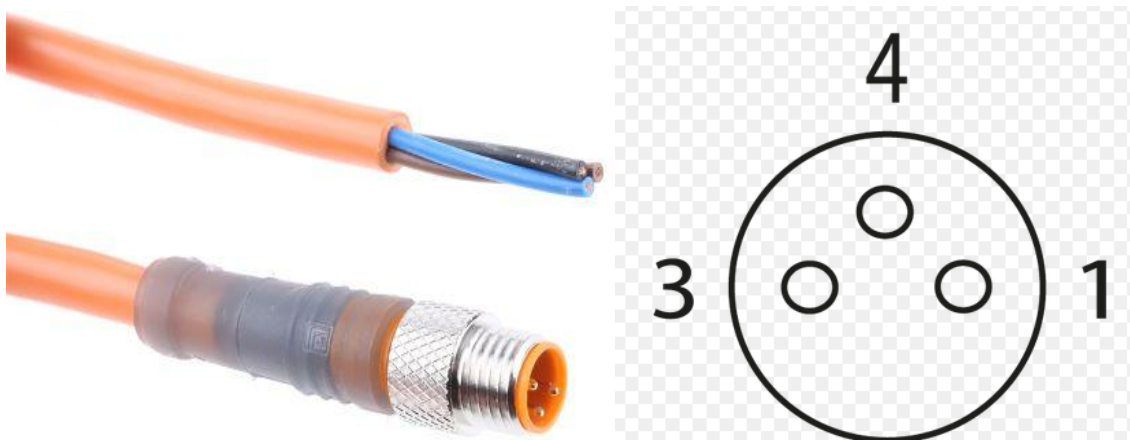


Two-Wire-SDI12 Converter Short Manual

1. Connect Two-Wire-Sensors

Connect your sensors (or Thermistorstring) to the “M8 industrial 3 pole connector” of the converter.

The following schematic shows the pin-usage at sensor-side (cable with male plug).



- Brown (1): Data
- Black (4): Ground (GND)
- Blue (3): not connected

The connection “Two-Wire-Sensors” follows the “BUS-topology”. Each sensor is electrically connected to the same Data- and GND-line!

2. Connect the SDI12-Interface

Connect the converter to the SDI12-Interface of your data-recorder, using the following cables:

- Brown: Supply (8 to 14 Volt, >60 mA cont.)
- Black: GND
- Blue: Data

3. Communication

Use the following SDI12 commands from the sample code to measure and read values from a properly configured converter.

Combined with a Thermistorstring, the converter is fully configured at delivery!

“>>” marks the command to the sensor, “<<” is the response. Each Command and response ends with <CR><LF>. Default address “1” is used.

```
>> "1M0!"  
<< "1064"  
<< "1"  
>> "1D0!"  
<< "1[Value 0-3]"  
>> "1M1!"  
<< "1064"  
<< "1"  
>> "1D1!"  
<< "1[Value 4-7]"  
>> "1M2!"  
<< "1062"  
<< "1"  
>> "1D2!"  
<< "1[Value 8-9]"
```

For more information and please refer to the full manual at

<http://thermistorstring.com/additional-string-information/sdi-12-converter>