

CAN MODULE TK_4

The TK4 is a small module to transmit on CAN bus 4 k-type thermocouples. The Can bus would be sets with a free application software and is possible set CAN speed, Message frequency, Message ID and other settings.
Typical use is in exhaust temperature measurement.



TECHNICAL SPECIFICATIONS:

- ◆ Power supply: 5,5 – 16 Vdc
- ◆ Supply current 15mA
- ◆ Transmission: CAN line 2.0A or 2.0B
- ◆ Input low pass filter: 160 Hz
- ◆ Resolution: 0,4 °C
- ◆ Accuracy: ± 1%
- ◆ Operation temperature: -20 to 80 °C
- ◆ Cable length: 450 mm
- ◆ Connection:

Purple	Supply
Black	GND
White	CAN H
Blue	CAN L
- ◆ Protection IP67 (filled with epoxy resin)
- ◆ Size: 34x18x32mm (without cable)
- ◆ Weight 30g

CAN BUS SETTINGS

- ◆ BUS speed (Default 1Mb)
- ◆ Message ID for each input
- ◆ Word format (Little or Big Endian)
- ◆ Message frequency (Fixed or Updated Value)
- ◆ Message format (Normal or "All In One")

Normal Mode				
Message ID	Word1	Word2	Word3	Word4
0x200	Temp.1 Kelvin Scale	Temp.1 Celsius Scale	Temp.1 Fahrenheit Scale	Amplifier Output 1 (mv)
0x201	Temp.2 Kelvin Scale	Temp.2 Celsius Scale	Temp.2 Fahrenheit Scale	Amplifier Output 2 (mv)
0x202	Temp.3 Kelvin Scale	Temp.3 Celsius Scale	Temp.3 Fahrenheit Scale	Amplifier Output 3 (mv)
0x203	Temp.4 Kelvin Scale	Temp.4 Celsius Scale	Temp.4 Fahrenheit Scale	Amplifier Output 5 (mv)

All In One Mode				
Message ID	Word1	Word2	Word3	Word4
0x200	Temp.1 Kelvin Scale	Temp.2 Kelvin Scale	Temp.3 Kelvin Scale	Temp.4 Kelvin Scale