

PN: 99-0050



Description

This module converts up to 6 RTD inputs into hexadecimal values and transmits them to the J1939 CAN bus. External wire connections allow for up to 4 Temp Sensor Modules to be addressed on a common CAN backbone to accommodate up to 24 RTD inputs.

Product Features

- -40 °C to 210°C sensing range
- 1°C resolution
- 6 RTD inputs
- 12V or 24V operation
- open and short circuit detection
- Meets MIL-STD461F for EMI
- Small footprint
- Potted-Protection from extreme environments
- Easy 2 points mounting/rugges ABS housing
- Customizable

Specifications

Unit Connections

DT15-12PB (Black)		DT15-12PA (Gray)	
Mate connector: DT06-12SB		Mate connector: DT06-12SA	
Mate contact: 0462-201-16141		Mate contact: 0462-201-16141	
Mate wedge lock: W12S		Mate wedge lock: W12S	
Pin 1: +V	Pin 2: Ground	Pin 1: (+) RTD 1	Pin 2: (+) RTD 2
Pin 3: NC	Pin 4: NC	Pin 3: (+) RTD 3	Pin 4: (+) RTD 4
Pin 5: NC	Pin 6: NC	Pin 5: (+) RTD 5	Pin 6: (+) RTD 6
Pin 7: CAN L	Pin 8: CAN H	Pin 7: (+) RTD 6	Pin 8: (-) RTD 5
Pin 9: CAN shield	Pin 10: NC	Pin 9: (-) RTD 4	Pin 10: (-) RTD 3
Pin 11: Address IN 1	Pin 12: Address IN 2	Pin 11: (-) RTD 2	Pin 12: (-) RTD 1

Addressing			
IN 1	IN 2	Address	Byte
GND	GND	00	40
OPEN	GND	01	41
GND	OPEN	10	42
OPEN	OPEN	11	43

Environmental Specification

Storage Temperature	-40° to 85°C
Operating Temperature	-40° to 85°C
IP Rating	67
Weight	0.40 lbs. Typ
Dimensions	3.10" W X 4.00" L X 0.70" H
Mounting holes (2)	3.500" apart, 0.188" Dia

Electrical Specification

Operating Voltage	8-32 VDC
Input Type	RTD, 100Ω@° C, 3.85Ω per °C, -50°C Range, DIN43760 Class A,B or C

