J1939 Temp Sensor Module

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-STD-461F for EMI
- Small footprint
- Potted - protection from extreme environments
- Easy 2 point mounting / rugged ABS housing
- Customizable

Addressing

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

Unit Connections

DT15-12PB (black)
Mate connector: DT06-12SB
Mate contact: 0462-201-16141
Mate wedge lock: W12S

Pin 1: +V	Pin 2: Ground
Pin 3: NC	Pin 4: NC
Pin 5: NC	Pin 6: NC
Pin 7: CAN L	Pin 8: CAN H
Pin 9: CAN shield	Pin 10: NC
Pin 11: Address IN 1	Pin 12: Address IN 2

DT15-12PA (gray)
Mate connector: DT06-12SA
Mate contact: 0462-201-16141
Mate wedge lock: W12S

Pin 1: (+) RTD 1	Pin 2: (+) RTD 2
Pin 3: (+) RTD 3	Pin 4: (+) RTD 4
Pin 5: (+) RTD 5	Pin 6: (+) RTD 6
Pin 7: (-) RTD 6	Pin 8: (-) RTD 5
Pin 9: (-) RTD 4	Pin 10: (-) RTD 3
Pin 11: (-) RTD 2	Pin 12: (-) RTD 1

Environmental Specifications

Storage temp.: -40° to 85° C
Operating temp.: -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 @ 0° F, 3.85Ω per ° F, -50° to 500° F Range, DIN43760 Class A, B, or C

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