IBS - the Imcon Bus System is an ideal solution for fast, cost effective implementation of the CAN Bus network and multiplexing technology. The complete range of products allows designers to be more productive and to integrate new functions with less wiring.

**IBS-RTD6**

Vehicle fire suppression system control unit

Entirely independent function

Environmentally sealed

**Features**

- Up to 6 resistance based temp. sensors
- 2x binary output with diagnostics
- Interface CAN 2.0A/B
- Possible to configure for another analog inputs by custom specification
- Heavy duty design, sealed to IP67
- Possible to update the IBS-RTD6 firmware
- Configurable with the supplied software
Fire suppression system control unit IBS-RTD6 for on-road and off-road vehicles and machines is designed as standalone heavy duty electronic box which operates independently of other vehicle systems. There can be up to six independent temperature sensors (type Pt1000) which are set-up to check temperature on the critical places in the vehicle. When the temperature reach the first set limit, the warning signal is triggered. When the temperature exceed the second limit, the signal for the fire suppression system is send. The temperature limits for each sensors are configurable by the supplied software.

At the same time when the warning or fire signals are triggered, the IBS-RTD6 unit sends message to the CAN network to inform other systems of the vehicle. Then the warning message can be shown to the driver on the operator panel. Thanks to the CAN interface the fire suppression system can be actuated by the driver.

If the IBS-WT unit is present in the system of the vehicle, information about the fire can be send by SMS or remote monitoring system to the fleet manager.

### Connection

<table>
<thead>
<tr>
<th>Pin</th>
<th>Function</th>
<th>Pin</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
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<td>GND RTD1</td>
</tr>
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</tr>
<tr>
<td>6</td>
<td>+RTD6</td>
<td>7</td>
<td>GND RTD6</td>
</tr>
</tbody>
</table>

### Dimensions

![Dimensions Diagram]

### General Specifications

- **Operating voltage**: 10 to 32V DC
- **Interface**: 1xCAN 2.0A/B, 1xRS485
- **Input**: 6x analog input
- **Output**: 2x configurable output
- **Temperature**:
  - Operating: -30 to +85°C
  - Storage: -50 to +85°C
- **Protection**: IP67

### Ordering Information

- **IBS-RTD6**: fire suppression system control unit
- **IBS-PT1000**: temperature sensor -30 to +210°C
- **K-DTM6-12SAB**: mating wire harness with DTM connectors
- **KIT-DTM0612SAB**: kit of DTM connectors
- **HDT-48-00**: crimping tool (for connector contacts)

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