**Technical Datasheet**

# Identification Module – CANID1

## Features

- 32 bits identification of a carried or towed trailer via ISAAC Device Network (IDN)
- Operating indicator LED
- Rugged enclosure and small size
- Weather resistant enclosure and connectors

## Description

The CANID1 is used to identify the equipment carried or towed by a vehicle.

Each module has a unique 32 bits ID associated with the unit on which it is mounted.

The ISAAC Instruments' Recorder communicates with the CANID via ISAAC Device Network (IDN). This allows multiple modules to be connected to the same Recorder thus identifying several equipments.

The module has 2 CAN ports allowing to extend the IDN with additional modules or to terminate the IDN using a termination resistor (CBLCAN-TR2-120).

**Description of the LED status:**

| Color | Status |
|---|---|
| OFF | No power |
| Green | Module is functional |
| Blinking red | Error |

## Installation

**Setup:**

- Connect CANID1 (Port « CAN IN ») to one of the available ports of the IDN
- Make sure to connect the termination resistor (CBLCAN-TR2-120) if CANID1 is at the end of IDN
- Route the cable at least 20cm (8") away from high interference electrical devices, such as: ignition coils, plug leads, high-current leads, high emission electronic modules or antennas
- Refer to page 3 for an example of installation

**Software configuration:**

**CAN Port Activity:** ISAAC Device Network
**CAN bit rate:** 500 Kbit/s

## Specifications

| Description | Symbol | Min. | Typ. | Max. | Unit |
|---|---|---|---|---|---|
| Power requirements | | | | | |
| Power supply voltage | $V_{in}$ | 7 | | 30 | V |
| Current | $I_{in}$ | | 25 | | mA |
| Communication interface | | | | | |
| Type | $T_{can}$ | | HS CAN | | |
| Speed | $S_{can}$ | | 500 | | Kbps |
| Refresh | $R_{can}$ | | 1 | | Hz |
| Identification | | | | | |
| Bit size | Id | | 32 | | bits |
| Environment | | | | | |
| Operating temperature | $T_{Oper}$ | -40 (-40) | | 85 (176) | °C (F) |
| Storage temperature | $T_{Stor}$ | -40 (-40) | | 85 (176) | °C (F) |
| Humidity | | | 100% | | |
| Mechanical properties | | | | | |
| Length | L | | 380 (15) | | mm (in) |

## Typical installation of ISAAC Device Network (IDN)