Technical Datasheet

Identification Module - IDNID1

Features

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

IDNID1

Description

The IDNID1 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' DRU9xx communicates with the CANID through the ISAAC Device Network (IDN). This allows multiple modules to be connected to the same DRU thus identifying several equipments.

Different models for different applications :

Part Number	Description
IDNID1	Identification of the carried or towed unit
IDNID1-ANO	Identification of the carried or towed unit with an analog input
ANID1-DIO	Identification of the carried or towed unit with a digital input

LED status description:

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

Installation

Setup:

- Connect IDNID1 to one of the available ports of the ISAAC Device Network (IDN).
- Connect the termination resistor (IDNTR1) at the end of the 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)