

Features

- Interface for abrasive spreading controllers
- Low power consumption
- Small size and light weight

Description

The IDNCT1-xxx allows connecting the abrasive and melting substance spreading controllers to the ISAAC Instruments' DRU9xx ISAAC Device Network (IDN).

Two models for different controllers :

Part Number	Spreading controller
IDNCT1-002	ACE
IDNCT1-003	Bosch-rexroth

Installation

Setup:

- Connect the IDNCT1-xxx D-SUB connector to the RS232 port of the spreading controller
- Do not bend cable with curvature radius smaller than 40mm (1.60")
- Route the cables 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
- Verify that the cable is not pinched or stretched by moving parts
- Connect the IDNHM1 to the ISAAC Device Network (IDN).
- Connect the termination resistor (IDNTR1) at the end of the IDN.

Software configuration:

Import DATABASE file IDNCT1-002.xml or IDNCT1-003.xml

IDN Port Activity: ISAAC Device Network

IDN bit rate: 500 Kbit/s

Specifications

	Symbol	Min	Typ	Max	Unit
Power requirements					
Power supply voltage	V_{in}	11		30	V
Current @ 12V	I_{in}		25		mA
Rx input voltage	V_{Rx}	-0.3	5	30	V
Input impedance	Z_{in}		25		kOhm
Operating temperature	T_{oper}	-40 (-40)		85 (185)	°C (F)