

Data Sheet

Gateway Interface Communicator CG150-2 CAN/USB



Features

- USB powered
- Supports CAN bit rates up to 1000 kb per second
- CAN messages are time-stamped in 100 ms increments
- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B) identifiers
- Supports data and remote frames
- Equipped with 110 cm [44 in] length USB cable and 30 cm [12 in] length CAN cable
- Interface the CAN bus with 9-pin D-SUB connector

provides a compact and cost effective gateway interface between PLUS+1[®] compliant modules on the PLUS+1[®] Controller Area Network (CAN) and a personal computer (PC) USB port.

The Danfoss CG150-2 CAN Interface is an element of the PLUS+1° family of mobile machine management products. The CG150-2

The CG150-2 communicator provides the application download of programs to PLUS+1[®] compliant devices on the PLUS+1[®] CAN network and upload/download of application tuning parameters.

Device drivers are imbedded in the PLUS+1[®] GUIDE (Graphical User Integrated Development Environment) service and diagnostic tool software.

The CG150-2 is compatible with Bosch CAN standard 2.0 A & B (standard and extended data frames) and USB standard 2.0 (Hi-speed).

- Designed for USB 2.0 (Hi-speed)
- Microsoft Windows XP[®]; 7; and 8 platforms
- Plug and Play installation
- CAN bus monitor software available at: http://powersolutions.danfoss.com/products/ PLUS-1-GUIDE/PLUS-1-software-tools/

Gateway Interface Communicator CG150-2 CAN/USB

Technical data

Dimensions	35 x 165 x 17 mm
Power supply	USB
Current consumption	(approximately) 90 mA@5V
Operating temperature range	0° C – 70° C [32° F – 158° F]
Storage temperature range	-40° C – 85° C [-40° F – 185° F]
USB version	2.0 (Hi-speed)
Clock accuracy	100 μs
LED indicators	2
Bit rate (kb/sec)	40 – 1000 Kbits/sec
CAN physical layer	High speed (ISO 11898-2)
Galvanic Isolation	Yes
Clock syncronization of multiple devices	No
Maximum message rates msgs/sec	8000
Time stamp (bits)	32
Error counters reading	No
Mix 11/29 bit messages	Yes
Error frame detection	Yes
Error frame generation	No
Silent mode	No
Sound indicator	No
CAN connector	9-pin male D-SUB
USB cable length	110 cm [44 in]
CAN cable length	30 cm [12 in]
Auto transmit buffers	No
Auto response buffers	No
Load dump protection	Yes
Polyurethane cabling	Yes

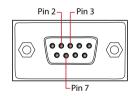
Status Lights



CAN pin configuration

CAN pin configuration

Pin	Function
1	-
2	CAN –
3	Shield/ Ground
4	-
5	-
6	-
7	CAN +
8	-
9	-



9-pin male connector, front-side view

Ordering information

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CG150-2 CAN/USB Gateway Interface Communicator Part Number 11153051

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