



Data Sheet

PLUS+1® Mobile Machine Displays DP200 Series



Danfoss DP200 Series Displays are elements of the PLUS+1 family of mobile machine management products.

The DP200 series provide high quality, cost effective performance solutions to fit the needs of today's mobile machines.

The DP200 series feature robust mechanical, electrical and ingress protection specifications that meet the demands of mobile machine operation.

Large function-programmable buttons provide tactile feedback. The high resolution display is viewable in a wide range of lighting conditions. Backlight and contrast settings are adjustable.

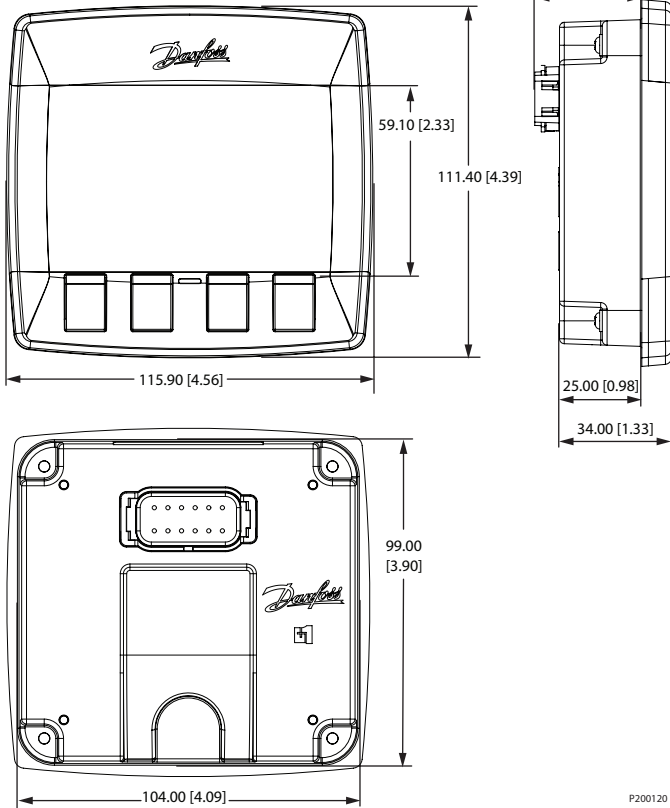
Modern industrial design makes the DP200 series suitable for installation in open and enclosed cabs.

**Features
(Model dependent)**

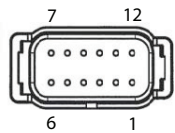
- 3.8" high resolution grayscale LCD display
- 4 programmable soft keys
- 2 red, 2 green, 2 amber software controlled LEDs
- 2 CAN 2.0B ports
- 1 fixed-range analog input
- 4 digital/analog inputs
- 2 digital/analog/frequency/current/rheostat inputs
- 1 (0.5A) digital output
- Real time clock
- PLUS+1® GUIDE programmable
- J1939 engine monitor software package (requires application key)
- Rugged IP 67 rated housing
- Integrated DEUTSCH connector
- Extended temperature performance range
- CE and E marked
- Mounting hardware and panel seal gasket included

Dimensions

mm [in]



Pin assignments



Use care when wiring mating connector. Diagram shows device pins.

DEUTSCH 12-pin connector

Pin	Function	Code B 00	Code B 01	Code B 04
1	Power ground-			
2	Power supply+			
3	CAN 0+			
4	CAN 0-			
5	AIN/ CAN Shield			
6	See Code B option	NC	DIN/AIN	NC
7	See Code B option	NC	DIN/AIN	NC
8	See Code B option	NC	DIN/AIN	CAN 1+
9	See Code B option	NC	DIN/AIN	CAN 1-
10	DIN/AIN/FREQ IN/CURRENT IN			
11	DIN/AIN/FREQ IN/CURRENT IN			
12	DOUT (0.5A)			

Model features

	A	B	C	D	E	F	Part number
DP200		00	00	02	00	00	10107021
		00	01	03	00	00	10107380
		01	01	02	00	00	10106883
		01	01	03	00	00	10107381
		04	01	02	00	00	10107022
		04	01	03	00	00	10107382

Specifications

Processor	ARM 7 core, 32 bit, 60 MHz
RAM	64 KB on-chip, 512 KB on board
FRAM	16 KB
Supply voltage	9 to 63 Vdc/6.5 Watts
Connector	DEUTSCH DTM-12
Type	LCD with 32 grayscale levels
Resolution	240 x 160 pixels
Viewable area	80 mm x 55 mm [3.15 x 2.16]
IP Rating	IP67 above panel
Operation temperature	Code C00: -20° C to +70° C [-4° F to +158° F] Code C01: -40° C to +70° C [-40° F to +158° F]
Storage temperature	-40° C to +85° C [-40° F to +176° F]
Weight	250 g [0.5 lb]
Vibration/shock	3 g/ 50 g
EMC/ESD	100 V/m / 15 kV
Digital output (0.5A)	1

Related product	Part number	
DEUTSCH Mating Connector Bag Assembly (16-20 AWG)	10102025	
DEUTSCH Mating Connector Bag Assembly (20-34 AWG)	10100944	
DP200 Mounting Hardware Kit	10107354	
PLUS+1 GUIDE Single User License	10101000	
DP200 Panel Seal Replacement Gasket	Black	10107631
	Red	10107630

A	Model name	DP200 PLUS+1® Mobile Machine Displays
B	Input/output options	00 1 CAN port, 2 DIN/AIN 01 1 CAN port, 6 DIN/AIN 04 2 CAN ports, 2 DIN/AIN
C	Real time clock	00 No RTC, No LTF 01 RTC and LTF
D	Flash memory/ application key	02 2 MB without Application Key 03 2 MB with Application Key
E	Application log (vault memory)	00 None 04 4MB
F	USB port type	00 None 01 USB device

Danfoss comprehensive *technical information* is on line at: www.powersolutions.danfoss.com

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