DIGITAL INDICATOR, RS485 INPUT

DP485 / DG485

ARDETEM **SFERE**





The DP485/DG485 allows display, control and transmission of data from any measurable magnitudes via a digital data link 485 (Protocol: Modbus JBus or ASCII).

► Complete programming of the display format from the front face keyboard.
Display format independent of the ASCII pattern: shaping from the instrument.

► Format of data:
Modbus: 8 bits with / without parity, 1 start bit, 1 or 2 stop bits.
ASCII: 7 bits + parity, 1 start bit, 1 or 2 stop bits.

ASCII protocol or MODBUS protocol

► Type of data: ASCII characters or real coded in floating decimal point.

► Slave number programmable from 1 to 255.

► General diffusion authorized (number 0) (ASCII only).

► Communication speeds programmable: 1200, 2400, 4800, 9600 and 19200 bauds.

Introduction

Each instrument is equipped on the front face with a five 14mm high red digits display, whose brightness suits applications in industrial control rooms perfectly.
Easy programming on front face via a 4-key keyboard.

•Display:
+100 000 / -10000 points (14 mm)
Electroluminescent red (green optional)

•Case: Self-extinguishing case of black UL 94 V0 ABS.

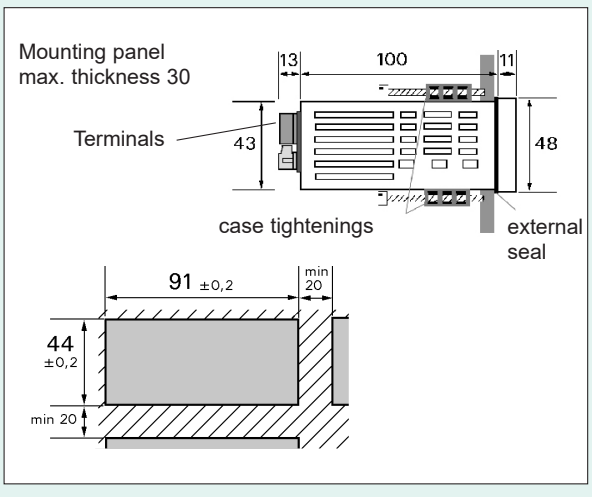
•Plug-off connectors on rear face for screwed connections (2,5mm², flexible or rigid)

•Protection: Front face: IP 65 Case / terminals: IP20

•CE marking

Dimensions

Case: 96 x 48 x 124 mm (with terminals)
Mounting: on panel; cut out 44 x 91 mm
Weight: 290 g.



ARDETEM SFERE
69510 SOUCIEU EN JARREST -France - Tél. 33 (0)4 72 31 31 30 - Fax. 33 (0)4 72 31 31 31 - **IN2016/17**

Technical features at 23°C

♦ General features

Complies with standards EN 50081-2 on emissions and EN 50082-2; immunity (in industrial environment)

EN 61000-4-2 level 3, EN 61000-4-3 level 3, EN 61000-4-4 level 4, EN 61000-4-6 level 3.

CE marking

♦ Environment

- Operating temperature : -5 to 55°C.
- Storage temperature : -30°C to +80°C.
- Relative dampness : 80% annual average.

♦ Power supply

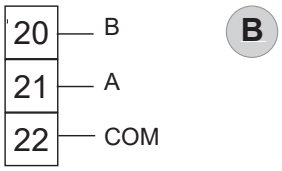
2 Versions: High voltage or low voltage
(to be specified on order)

High voltage:	90...270 VAC	50/60/400 Hz
and	88 ...350 VDC	
Low voltage:	20...53 VAC	50/60/400 Hz
and	20...75 VDC	

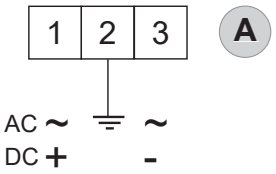
Power draw: 5 W max. 8 VA max.

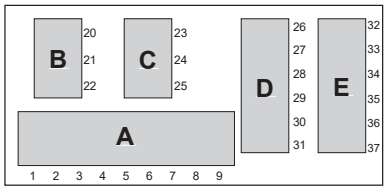
Wiring

DIGITAL INPUT



POWER SUPPLY





Location of the terminals
(View of case rear face)

Coding

♦ Type:

ARDETEM reference: DP485
SFERE reference: DG485

♦ **Type of power supply**
2: High Voltage
3: Low Voltage

♦ **Protocol**
A: ASCII
M: MODBUS

Order example: For an indicator with a 230 VAC power supply, request the reference:
DP485/DG485 - 2

This appliance is designed for industrial applications. It has to be installed in an electrical cabinet, or equivalent.

CA IN2016/17 B-09/21 - Any data in this documentation may be modified without prior notice.

ARDETEM SFERE®

e-mail : info@ardetem.com
http : //www.ardetem.com

Route de Brindas
Parc d'activité d'Arbora N°2
69510 SOUCIEU EN JARREST
- FRANCE -
Tél. : 33 (0)4 72 31 31 30
Fax. : 33 (0)4 72 31 31 31

Your representative