

PANDAROS DC 6.200

DATA SHEET

Description

DC 6.200 is HEINZMANN's low current version of digital PANDAROS controls. This highly efficient speed governor is based on a 16-bit microprocessor. It offers two separate speed pickup inputs, inductive or Hall type.

Integrated CAN provides external communication.

DC 6.200 is able to drive proportional electromechanical actuators and combined with assisting actuator systems of hydraulic type for instance torques up to 20 Nm are possible.

DC 6.200 hardware is well adapted for small actuator currents therefore it comprises an appropriate software version.

Actuators

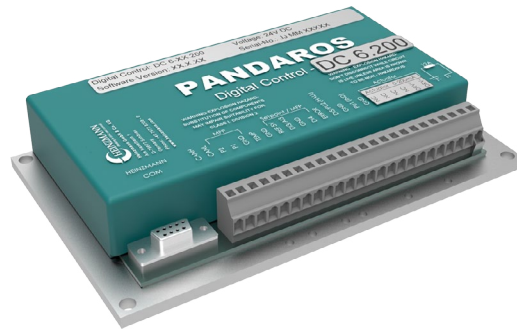
PANDAROS DC 6.200 is the control device for small efficient actuators that require drive currents up to 200 mA.

Applications

- Stationary applications, e.g. generator sets or power stations
- Dual fuel applications
- Gas, water and steam turbines
- Heat pumps

Certificates

Certificates on request



Features

Adapted driver output for electromechanical proportional drives, optimally suited for electrohydraulic actuators

Extended generator and vehicle application

Additional analogue inputs for synchronising and isochronous load sharing

Fuel limitation depending on several parameters for optimal load factor and reduction of smoke to a minimum during start-up and regular operation

Governor and sensor monitoring, speed dependent monitoring of oil pressure with or without engine stop for engine protection

CAN communication

Easy adaption of governors dynamic characteristic by parameterisation with HEINZMANN DcDesk communication tool

Technical data

General specification

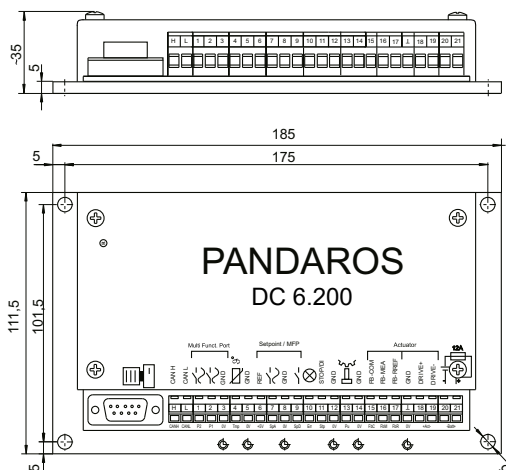
Supply voltage	nom. 24 VDC or nom. 12 VDC (9 ... 33 VDC)
Current consumption control unit	0.3 A (plus actuator current)
Degree of protection	IP00 or IP55
Operating temperature	-40 ... +80 °C
Vibration	7g / 10 ... 400 Hz
Permissible ambient humidity	< 95 % rel. at 55 °C
Weight	1.2 kg (IP00), 3 kg (IP55)
Wiring	spring cage terminal optional (IP00) / plug due to application (IP55)

I/O specification

Inputs	Pickup	1	Hall type, 10 ... 9000 Hz
	Pickup	1	Inductive sensors, 0.5 ... 30 Vpp / 50 ... 9000 Hz
	Analogue	3	0 ... 5 V, 0 ... 10 V or 4 ... 20 mA
	Temperature	1	PT1000, NTC
	Digital 1 / PWM	3	24 VDC ($U_{low} < 1 V$; $U_{high} > 5 V$; $f_{PWM} 50 \dots 500 Hz$)
	Digital 2	1	24 VDC ($U_{low} < 1 V$; $U_{high} > 5 V$)
Outputs	Analogue	2	4 ... 20 mA
	Digital / PWM	2	0.3 A, low side, 10 ... 90 %, short circuit protected
	Sensor supply	1	5.0 VDC, 50 mA max.
	Alarm output 1	1	0.3 A, low side, short circuit protected
Communication interface	On-board	1	HEINZMANN Service Interface
	On-board	1	CAN 2.0B
Actuator drive	PWM	1	20 ... 200 mA for coil resistance max. 40 Ω

Dimensions

IP00



IP55, any version

