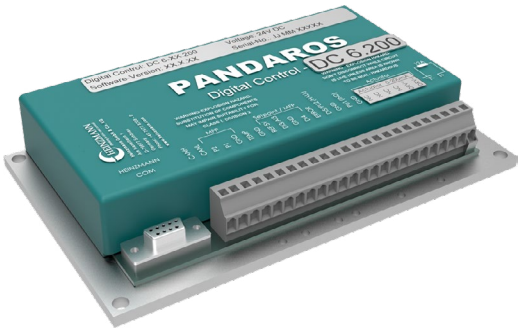
PANDAROS DC 6.200

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

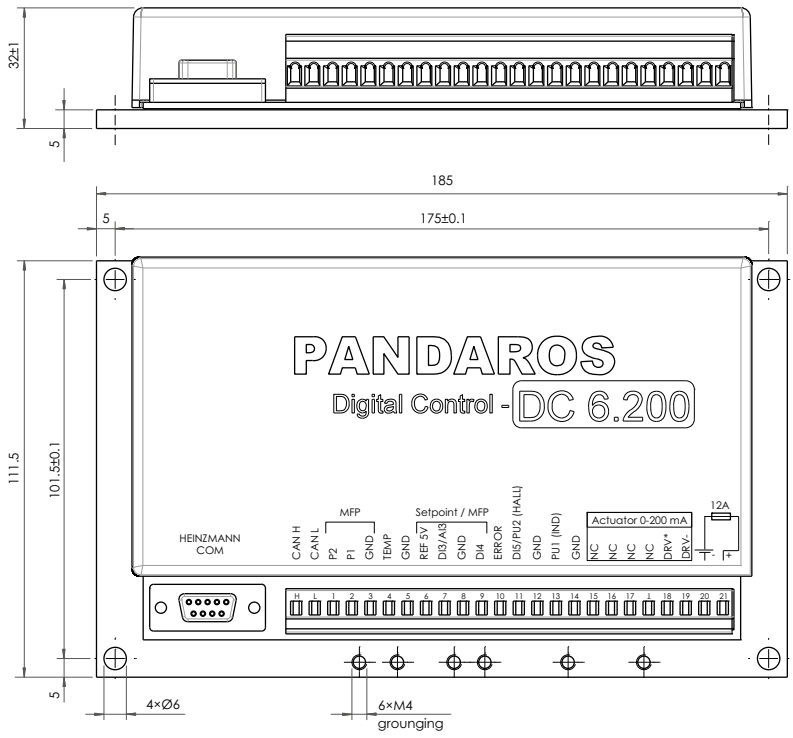
- Adapted driver output for electromechanical proportional drives, optimally suited for electrohydraulic actuators
- Extended generator and vehicle application
- Additional analogue inputs for synchronising and isochronous load sharing
- Fuel limitation depending on several parameters for optimal load 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
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 ... 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



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