GP200 MkII Series Outriggers auto-leveling system

General features

- Integrated MEMS technology tilt sensor with no moving parts
- Same power supply for 12/24 VDC systems
- 4x2 ON/OFF outputs for outriggers descent/rise management
- Two signalling digital outputs for outriggers on the ground and leveled system signalling
- BPEterminal custom software for easy customization



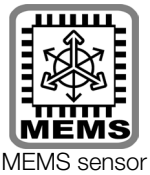
On request:
- CAN bus interface
- PL d (EN 13849-1) output for venting valve
- Two customizable digital inputs

Typical fields of application:
access platforms, truck mounted cranes.

Note:
The user/installer is responsible for evaluating the values and, thus, the safety of the application.



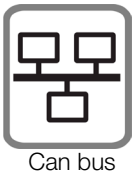
From
9 to 33 VDC



MEMS sensor
technology



Protection Grade
IP66/IP67


Can bus
connection


EASY PC SETUP
with BPE terminal

Technical Data

Power supply	from 9 to 33 VDC	Protected against polarity reversal
Digital inputs	9	7, if the CAN bus connection is available
ON/OFF digital outputs	4x2	Positive. Imax = 3 A. Protected against short circuits
PWM proportional outputs	1	ON request
Digital outputs	2	Positive. Imax = 3 A. Protected against short circuits
Accuracy	1% FS	-
Resolution	0.1 degree	-
Temperature drift (zero point)	±0.008 degree/°C (typ.)	-
Operating temperature	from -20 to +70 °C	-
CAN bus interface	1	ON request
RS-232 interface	1 for calibration and diagnostic	AMP Superseal 1.5 series 3P connector (282105-1)
Maximum weight	0.40 kg	-
Housing material	40% fiberglass reinforced PBT	-
Coating	Two components polyurethane	-
Standard protection grade	IP66 / IP67	-
CE Conformity	EMC Directive: 2014/30/EU	-
EMC: Immunity | Emission	EN 61000-6-2, EN61000-6-3	-
Vibration resistance: Sinus	EN 60068-2-6: 5 g, 10 to 150 Hz	-
Shock resistance: Shock	EN 60068-2-27: 30 g, 6 ms	-
MTTFd	EN 13849-1: ≥ 100 years	-

Ordering Code

1	2	3	4	5	6	7
Outriggers auto-leveling system	Output 1	Output 2	Leveling procedure	Stabilizer feet lifting	Operating mode	CAN communication
GP200 MkII	P2	L2	ST1	LEG1	PP0	CAN0

1

Outriggers auto-leveling system	
GP200 MkII	Outriggers auto-leveling system

2

Output 1	
P2	Active (Vbat) when all stabilizer feet are in touch on the ground and the machine is leveled

3

Output 2	
L2	Active (Vbat) when the machine is leveled

4

Leveling procedure	
ST1	Leveling procedure available only if all feet have been lifted off the ground at least once. (Selectable via configuration software)

5

Stabilizer feet lifting	
LEG1	Lifting of stabilizer feet always available. (Selectable via configuration software)

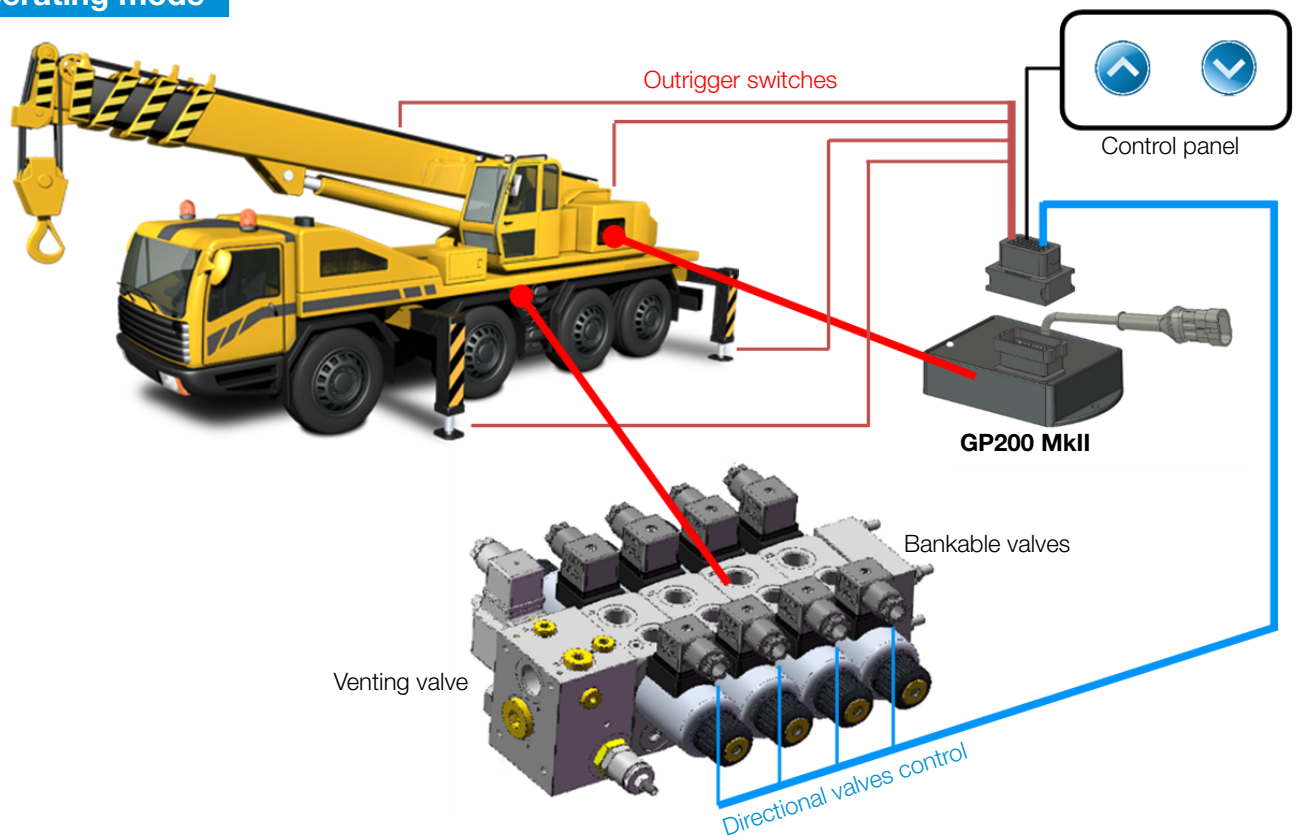
6

Operating mode	
PP0	Leveling behavior after loss of contact of at least one foot during self-leveling: proceeds in self-leveling. (Selectable via configuration software)

7

CAN communication	
CAN0	1 CAN bus channel
CAN1	Not available

Operating mode



Dimensions [mm]

