

Pump controllers

The easy way



DRIP DROP 

PC-2000-W



Technical data

Power supply	24 VDC (19,2 -30 VDC)
Power consumption	PC-2000=150mA, ADA-2000=150mA
Mounting cut out (PC-2000)	203.5 x 115.5 (W x H) mm
Dimension (PC-2000)	213 x 125 x 54 (W x H x D) mm
Mounting (ADA-2000)	DIN-rail 35mm
Dimensions (ADA-2000)	160 x 83 x 51 (B x H x D) mm
Temperature	-5 to +55 °C
Housing (PC-2000)	IP 54 (IP65 from front side)
Housing (ADA-2000)	IP30
Weight	0.6 kg
Processor	ATMEL ATMEGA 128
Memory	SRAM, E2PROM, FEPRM
Graphical display	128x 64 dots
Operators keys	12 pcs
LED's	1 green , 1 yellow, 2 red
Internal battery (Lithium)	CdLi
I/O-signals (PC-2000)	Band cable 1x 26, 1x20 and 1x14
I/O-signals (ADA-2000)	Screw terminal directly on unit
Analogue inputs (AI)	7 0/4-20mA (24VDC)
Analogue outputs (AO)	2 4-20mA (24VDC) and 0-10V
Digital inputs (DI)	20 opto isolated (max.500V)
Counter inputs (CI)	2 Pulse frequency (max.500Hz)
Digital outputs (DO)	16 Relays (24VDC, 250VAC/6A)
RS-232	1 115200 Baud
RS-485	1 115200 Baud
Protocol	COMLI / MODBUS

PC-2000-W is a powerful pump controller developed for water and wastewater applications and incorporates all necessary functions.

The pump controller is a good alternative to a PLC, because it has a lot of preconfigured functions which makes the unit very easy to configure and to start up when a pumping station has many parameters to be set.

PC-2000-W should be used for water and waste water pumping stations where high demands are needed for the supervision and control of the pumps. All information is available on a graphical display with good visibility both indoors and outdoors.

Functions

- Supervision, control and data logging for up to 4 pumps.
- Pumps controlled via analogue sensor and / or level float.
- Alternating function for all pumps.
- Start- and running time counters for the pumps etc.
- Built in function for flushing and agitation.
- Function for attendance check or burglary alarm.
- Alarm for over flow, motor protection, high level float etc.
- Alarm sending via SMS-text and SMS-confirmation.
- Impulse counters for power, flow and rain.
- Logging function with 7 days values directly available in display.
- Calculation of inflow, outflow, overflow and pump capacity.
- Function for trend/historical curves in graphic display.
- Quick keys for easy overview.
- SCADA-support for logging buffers.
- Cross reference table for easy communication with the most common SCADA-systems for water applications.
- GSM/SMS-function for external modems.

PC-200



Technical data

Power supply	24 VDC (20,4 -28,8 VDC)
Power consumption	3W
Mounting cut out	158.5 x 98.5 (W x H) mm
Dimensions	166 x 106 x 60 (W x H x D) mm
Temperature	-5 to +55 °C
Housing	IP 54
Weight	0.25 kg
Processor	ATMEL ATMEGA 128
Memory	SRAM, E2PROM, FEPRM
Display	2 x16 signs alphanumeric
Operator keys	4
LED's	4 multicolour(green, red, orange)
Internal battery (Lithium)	CdLi
I/O signal inputs	Direct on screw terminals
Analogue inputs (AI)	2 0/4-20mA (24VDC)
Current inputs (I)	3 0-5A
voltage inputs (L)	3 240 VAC
Digital inputs (DI)	10 Opto isolated (max.500V)
Termo inputs (T)	3 PT100
Pulse inputs (CI)	1 Pulse frequency (max.500Hz)
Digital relay outputs (DO)	5 Relays (24VDC, 250VAC/6A)
Didigital transistor outputs (DO)	2 50mA, 24VDC (max 360mA)
RS-232 or RS-485	1 115200 Baud
Protocol	COMLI / MODBUS

PC-200 is a simple user friendly pump controller with many functions needed in small and middle size pumping stations.

It is easy to install and start-up, but can also be used as a smaller supervision controller were alarms can be sent to GSM-phones.

PC-200 is developed for control and alarm handling in water and waste water pumping stations. The information is presented in a two row display with large characters.

Functions

- Controls and supervises up to 3 pumps.
- Pumps controlled via analogue level sensor and or level float.
- Alternating function for all pumps.
- Start- and running time counters for the pumps.
- Built- in function for agitation.
- Function for attendance check.
- Alarm for over flow, motor protector, high level float etc.
- Alarm sending via SMS-text and SMS-confirmation.
- Impulse counters for power, flow and rain.
- Pump alarm inputs for temperature, moisture etc.
- Phase voltage supervision with alarm.
- GSM/SMS-function for external or internal modem.
- Built-in GSM-modem (Option).