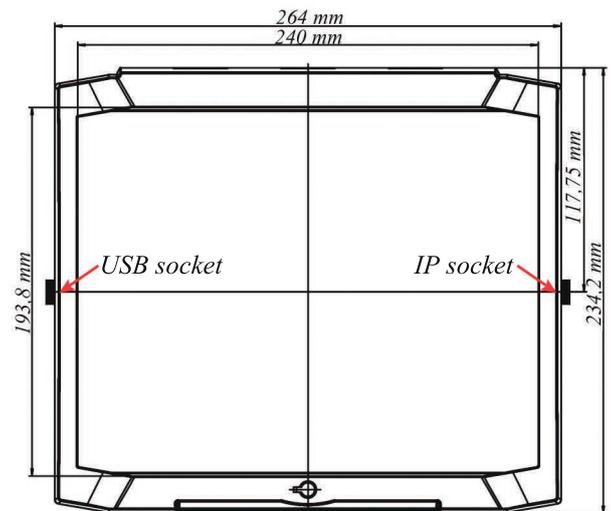
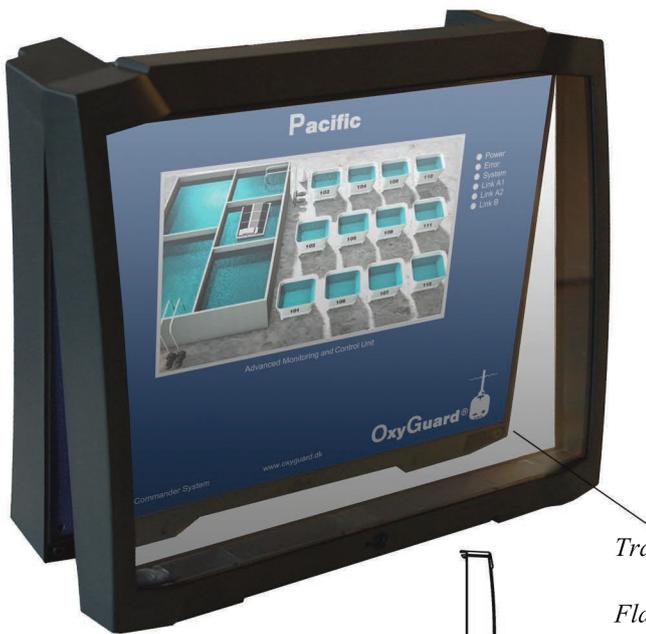


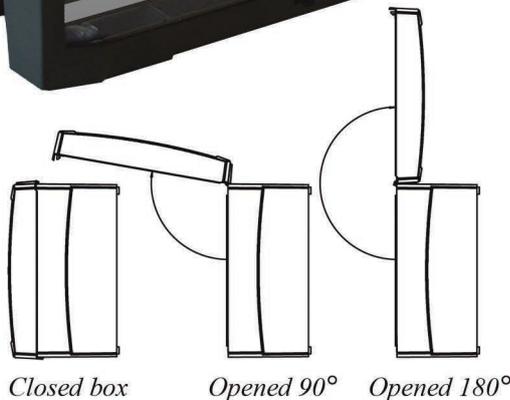
OxyGuard Pacific

Measuring, Monitoring and Control System



Transparent plastic lid for UV protection of the screen

Flat base (standard)
with 11 cable glands
(2 x PG13, 9 x PG9)



Closed box

Opened 90°

Opened 180°

High base with
12 cable glands
(4 x PG13, 8 x PG9)



The OxyGuard Pacific is a measuring, monitoring and control system designed for use in fish farms. It is both multichannel and multi-parameter, and forms a modular small-size complete system. A member of the Commander series of equipment, it can be used both as a stand-alone system or as part of a larger Commander system.

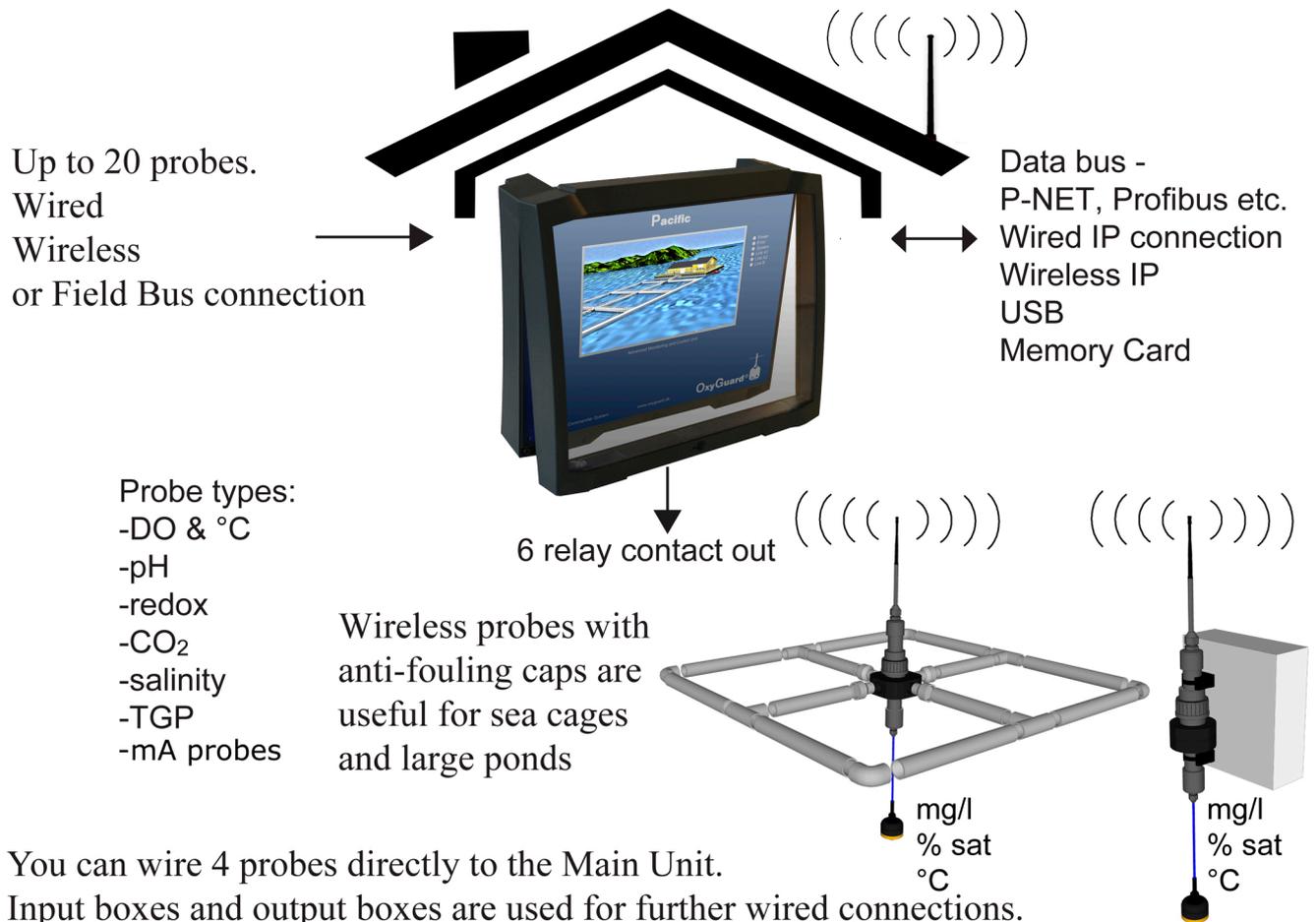
An important feature of Pacific is its extensive connection capabilities. It has P-NET data bus for connection to other Commander components, IP connection for LAN or internet, modbus interface and two USB ports that can be used for a number of purposes. It also has an SD card socket for data interchange.

An additional feature is the option that enables Pacific to connect to an OxyGuard Wireless Probe system, where the various probes and other measuring, monitoring and control devices interconnect using wireless signals.

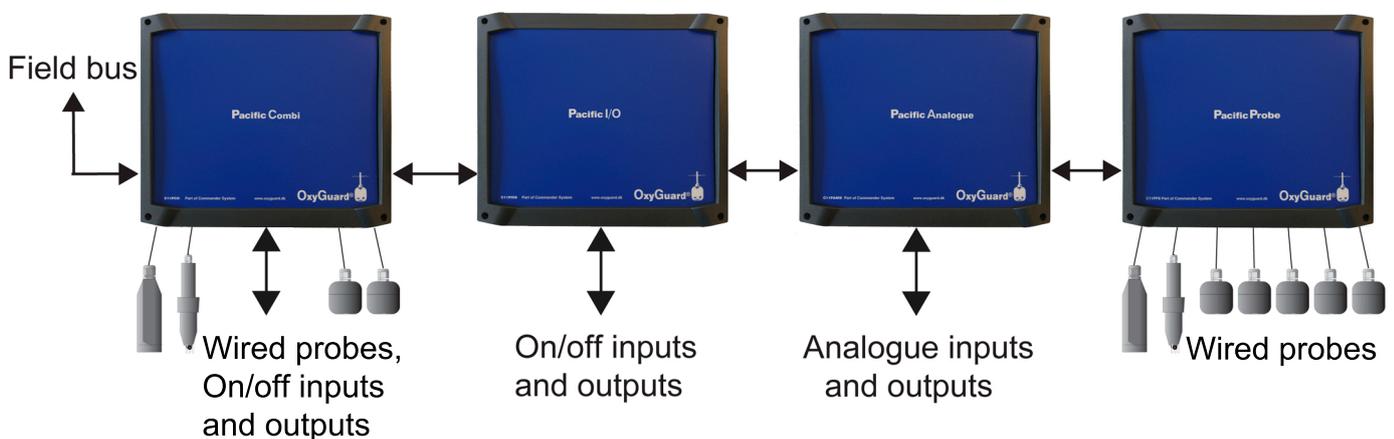
Pacific brings the complete functionality of Commander to small systems and to installations where few measurements and points of control are situated at large distances from each other.

Pacific for small systems.....

The smallest systems consist of a Pacific Main Unit and some probes.
 The Main unit has terminals for various inputs and outputs, and has 6 relay outputs.
 The result is a measuring, monitoring and control system with full data logging.
 With data bus, USB and IP ports Pacific is easy to access.
 There is also a memory card socket for long term data storage.

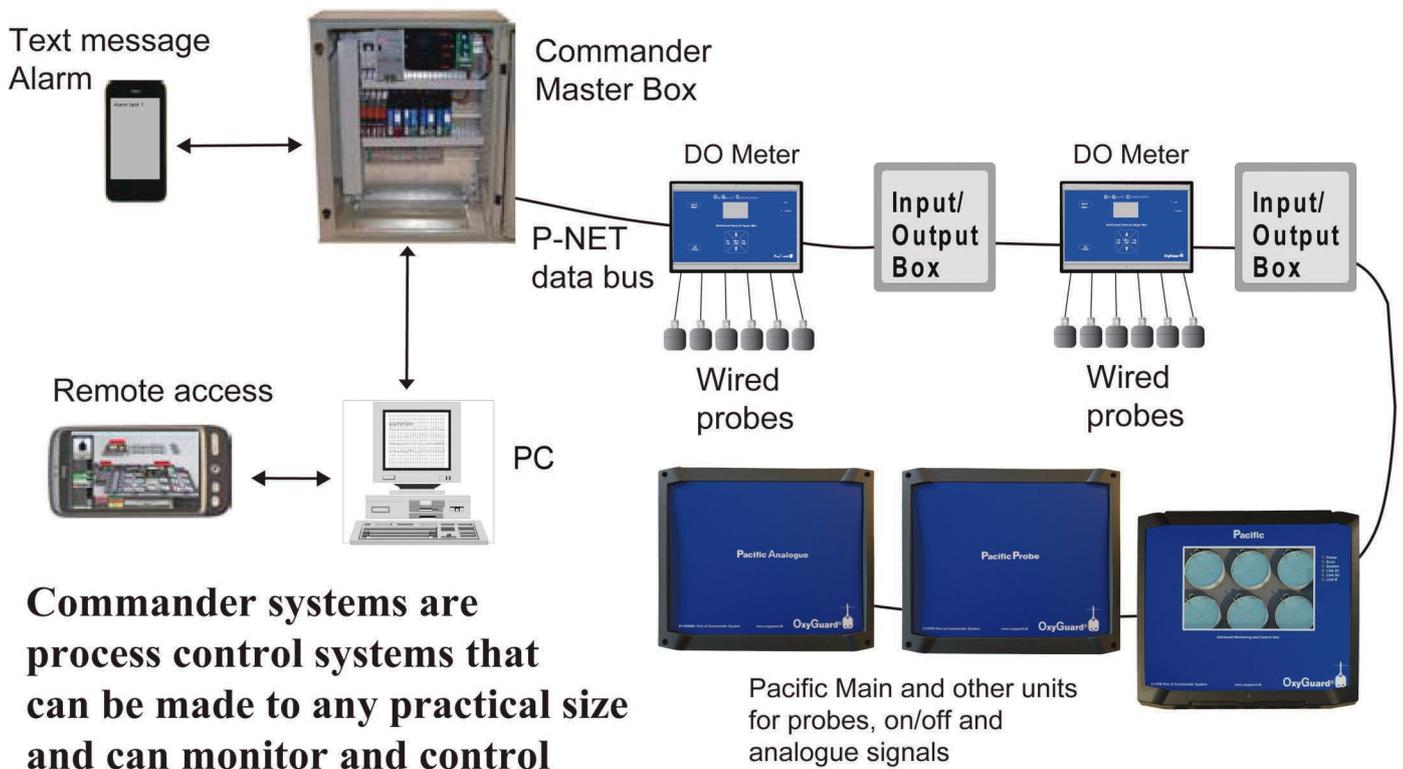
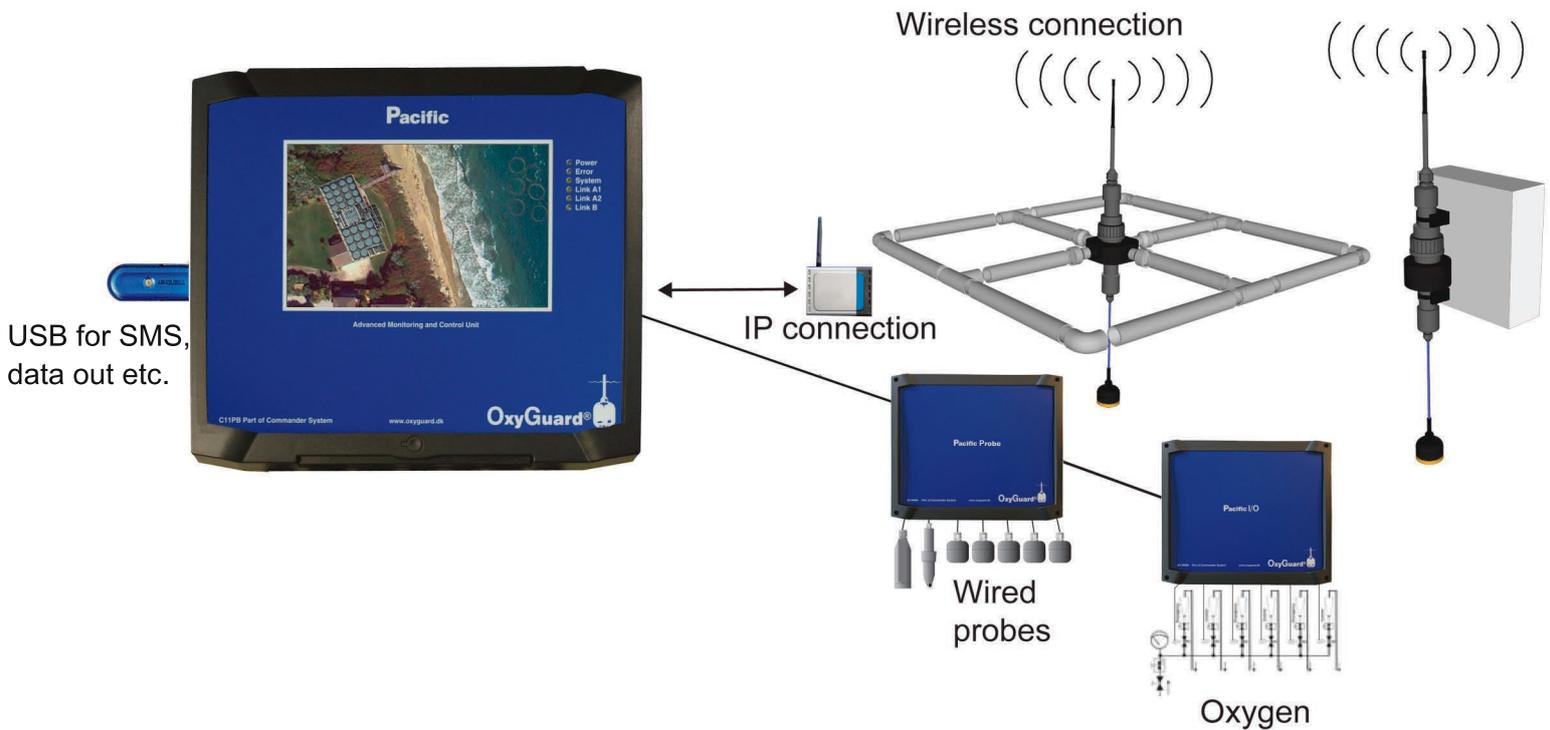


You can wire 4 probes directly to the Main Unit.
 Input boxes and output boxes are used for further wired connections.
 On/off inputs can be 2-state from, for example, level switches
 or pulsed from flowmeters.



Pacific for large systems - and very large systems

Pacific is a Commander component



Commander systems are process control systems that can be made to any practical size and can monitor and control everything.

Pacific for sea cages



Pacific is ideal for sea cages. Remote access to the Pacific unit on the feed barge can be made, for example, using wireless LAN or through a wireless internet connection.

A Pacific System consists of one Main Unit, other units, probes and power supplies as needed. A single system can have 20 probes and/or analogue inputs, 30 relays and 30 on/off (digital) inputs and/or outputs. All Pacific units use 24V DC power from one or more power unit.

The **Pacific Main Unit** has terminals for 4 probes, has 6 on/off inputs and/or outputs 6 output relays, each with single pole changeover contact, and touch screen display.

Order number C11PB

The **Pacific Combi Unit** has terminals for 4 probes, has 6 on/off inputs and/or outputs and 6 output relays, each with single pole changeover contact. **Order number C11PCO**

The Pacific Analogue Unit is for 8 analogue inputs. These can be from active or passive devices. The Pacific Analogue unit can provide 24V DC to the devices.

Order number C11PANI8

The Pacific Digital I/O Unit is for 8 on/off signals, either inputs, outputs or a combination of both, and also has 8 relays, each with single pole changeover contact. **Order number C11PIO8**

The Pacific Probe Unit is for the wired connection of 8 probes. OxyGuard probes for DO & temperature, pH, redox (ORP), salinity, CO₂ and TGP can be connected directly to a Pacific system. **Order number C11PP8**

The Pacific Power Supply can deliver 5A and has back-up batteries – order number **C11PWS5**. One power supply is used for each unit.

Additional items:

Pacific SMS Unit (**C11PSMS**)

Commander software (**C11PSOFT**)

Wireless Unit for Pacific Main Unit (factory mounting only) (**C12PWMU**)

Wireless Unit for Probe, for float (**C12WPUFL**). For flotation tubes, please state the outer diameter of the tubes you will use.

Wireless Unit for Probe, fix mount (**C12WPU**)

Pacific brochure gb 0113

Data subject to change without notice