

FloodPump Pro®

Advanced, automatic alarm and flood pump system for larger installations



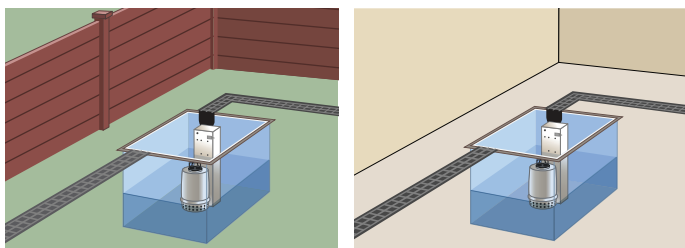
Deployed inside or outside, FloodPump Pro® protects properties and protected areas at risk from flooding

FloodPump Pro® is an advanced, automatic alarm and pump system designed to protect larger installations. It can be deployed inside or outside a property, protecting buildings and protected areas from flooding, providing continuous monitoring and automatic pump activation. The system comprises a submersible stainless-steel sensor unit with integrated single or double-pump options, installed in a sump below ground level and a UV-resistant stainless-steel, wall-mounted control panel. The panel can send alerts to remote monitoring and has the capability to control a range of automatic flood defence equipment.

Tried, tested and built to last

FloodPump Pro® has been specially developed from Andel's market-leading dewatering solution, BundGuard®, an established product that has been protecting assets and the environment for thousands of electrical distribution and oil storage site operators worldwide for over 30 years.

Stainless-steel submersible sensor unit



The submersible sensor unit is located in a sump below ground level, inside or outside. A drainage channel or gully allows flood water to enter the sump.

The sensor unit is equipped with three conductive probes that can be configured and set to levels to suit the flood risk in any given scenario. The submersible unit is available in a range of sizes depending on the sump dimensions and with a single or double-pump option.

Stainless-steel, wall-mounted control unit

The UV-resistant, wall-mounted control unit recognises conductivity between the probes in the sensor unit. If water is detected between the common probe and the pump start probe, the control unit will automatically activate the pump and deactivate it as and when the water level drops below the pump stop probe.

The system performs a multitude of automatic functions. Output relays provide onward communication to remote monitoring and system status alerts. The panel has an integrated, compact, vandal-proof xenon amber flashing alarm beacon with light diffuser for improved visibility.

Benefits at a glance:

- Automatic system that can be relied upon to protect areas at risk from flooding
- Can operate up to two flood pumps simultaneously
- Array of onward communications for remote monitoring – VFC, Modbus and SMS
- Capability to control other automated flood defence equipment such as floodgates, flood doors and drain flaps etc
- LCD and LED screen menu display protected by UV-resistant enclosure
- 10-year control panel warranty
- Low maintenance
- Robust and reliable with a proven track record
- Pump current monitoring and maintenance alarm – extends the life of your pump/s

Stainless-steel pump

The standard pump operates at a typical flow rate of 140 litres per minute. The system can also operate two pumps, either alternating to share the load or running simultaneously as a booster system. There is also an option to install larger capacity pumps if required.

For more information:

☎ +44 (0)1484 845 000 or

✉ help@andel.co.uk

www.andel.com



Making water sustainable for
a cleaner and safer environment.



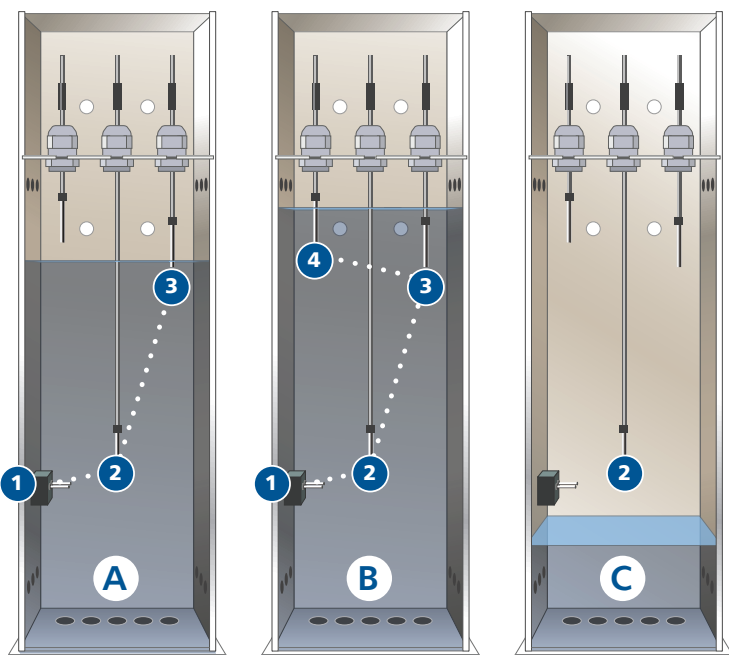
The submersible unit is equipped with conductive probes:

- 1 COMMON PROBE
- 2 STOP PUMP PROBE
- 3 START PUMP PROBE
- 4 HIGH WATER ALARM PROBE

The common probe creates conductivity with the other probes.

The control unit recognises conductivity between the various probes and performs a number of functions in response to rising and falling water levels.

Example functionality with varying amounts of floodwater in the sump



- A** When the water level reaches 3 START PUMP PROBE, the control unit activates the primary pump.
- B** When the water level reaches 4 HIGH WATER ALARM PROBE, alarm notifications are sent via SMS and via Modbus to BMS. If fitted, the second pump is activated and automated equipment such as floodgates, flood doors and drain flaps can be automatically activated.
- C** When the water level falls below 2 STOP PUMP PROBE, the pump/ps are switched off. Closure devices remain closed until manually opened to avoid any external flood water re-entering the protected area.

For more information:
 ☎ +44 (0)1484 845 000 or
 ✉ help@andel.co.uk
www.andel.com



TECHNICAL INFORMATION

STAINLESS STEEL CONTROL PANEL:

- **Power:** 110/230 VAC, 440 Watts (1 pump running), 970 Watts (2 pumps running)
- **Construction:** Stainless steel, IP66 rated
- **Dimensions:** (H) 415 x (W) 317 (excluding mounting lugs) x (D) 118 mm
- **Fixing:** wall/surface mount via external fixing lug
- **LED and LCD displays:** viewable by unlocking and opening the panel door.

Indicator LEDs:

Power:	GREEN	Pump 2 Active:	GREEN
High Water Alarm:	RED	Pump 1 Disabled:	YELLOW
System Fault:	RED	Pump 2 Disabled:	YELLOW
Pump 1 Active:	GREEN		

Display:

2 x 16 characters LCD for pump cycle counter and system status plus set-up menus when accessed

STAINLESS STEEL SUBMERSIBLE SENSOR UNIT:

- **Power and Voltage:** nominal
- **Construction:** 304 stainless steel, immersion proof
- **Fixing:** Free standing in base of sump
- **Dimensions:**
 - XL: (H)1000mm x (W)180mm x (D)70mm
 - Standard: (H)570mm x (W)180mm x (D)70mm
 - Compact: (H)450mm x (W)180mm x (D)70mm
 - Mini: (H)300mm x (W)220mm x (D)55mm

STANDARD PUMP:

- **Power:** 250W
- **Voltage:** 220-240Vac/50Hz
- **Construction:** 304 stainless steel with mechanical shaft seal
- **Dimensions:** (H)320mm x (W)168mm
- **Weight:** 6kg
- **Max Flow:** 140 litres per minute
- **Max Head:** 8m
- **Outlet:** 1.25 inches BSP
- **Fixing:** Integrated as part of the sensor unit
- **Power Connection:** 10m flying lead

CONFIGURATION:

The unit is configured in the factory prior to delivery though some on-site adjustment may be required on installation. No further calibration is required. Maintenance should be carried out every 6 to 12 months depending on site conditions.

A choice of submersible units

As well as the Standard unit, the XL unit is available for larger sumps. Compact and Mini units are also available for smaller sumps.



Making water sustainable for
a cleaner and safer environment.