

Product number	Description
FireFly-UA	FireFly alarm unit, without subscription.
Sigfox-Ultra	5 year SigFox subscription incl. the handling of Sigfox back-end and invoice.
Strømspole	Power coil for monitoring motor current for pump start and operating hours.
6106301404-4	Battery lithium AA 1,5V.



Local Supplier:

# FireFly Quickguide

## About FireFly

FIREFLY is designed in a robust industrial design.

FIREFLY can be supplied with 2 lithium AA batteries, with an expected lifetime of at least 5 years.

FIREFLY is a Danish developed and produced product that complies with all specifications for electronics components and installation in harsh environments.

## Applications

FIREFLY is designed for use as a simple alarm unit, according to the term "The local red alarm lamp has become intelligent"

FIREFLY is a battery-powered intelligent alarm device that can replace the existing red alarm lamp. This means, pump and high-water alarms are sent directly to the SRO system via the Sigfox communication.

With the help of an external power coil, it can detect the number of starts and operating time of the pump.

## Communication and protocol

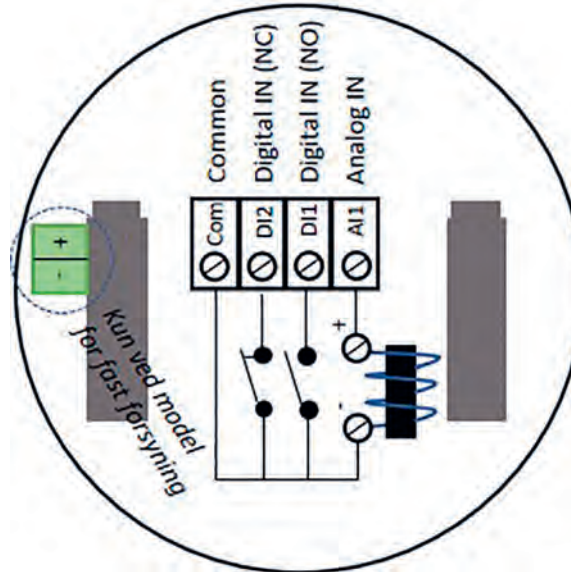
FIREFLY communicates via SigFox IOT protocol and can be delivered with 5 year Sigfox prepaid subscription.



## Installation and specifications

For the installation of FIREFLY, the following objectives may be necessary.

NOTE! FIREFLY is not EX-rated and therefore must not be installed in EX areas.



<b>Material</b>	ABS plastic
<b>Diameter</b>	Ø104 mm
<b>Mounting</b>	Minimum Ø38mm hole and with the use of a nut
<b>Cable connection</b>	4 clamps
<b>Communication</b>	SigFox
<b>Antenna</b>	Build-in
<b>Enclosure class</b>	IP67
<b>Batteries</b>	2 pcs. Lithium AA (not included)

## Technical data

FIREFLY comes with 2 digital inputs and 1 analogue input 0-10V DC.

Digital inputs are monitored in real time and changes reported instantly via the SigFox network.

Analog inputs

- Concerning the battery, the analog input is scanned with a 30-second interval and the operating mode of the pump (on/off) is recorded with a 5 minute resolution. Once a day, the latest recorded ampere consumption of the pump is recorded.
- For constant supplies, the analog input is scanned with a 5 second interval and the operating mode (on/off) of the pump is recorded with a 1 minute resolution. Every 4 hours, the latest is recorded ampere consumption of the pump is registered.

Both parameters require an electric coil mounted on AI1. The coil must be of the same type, as indicated in the product list

