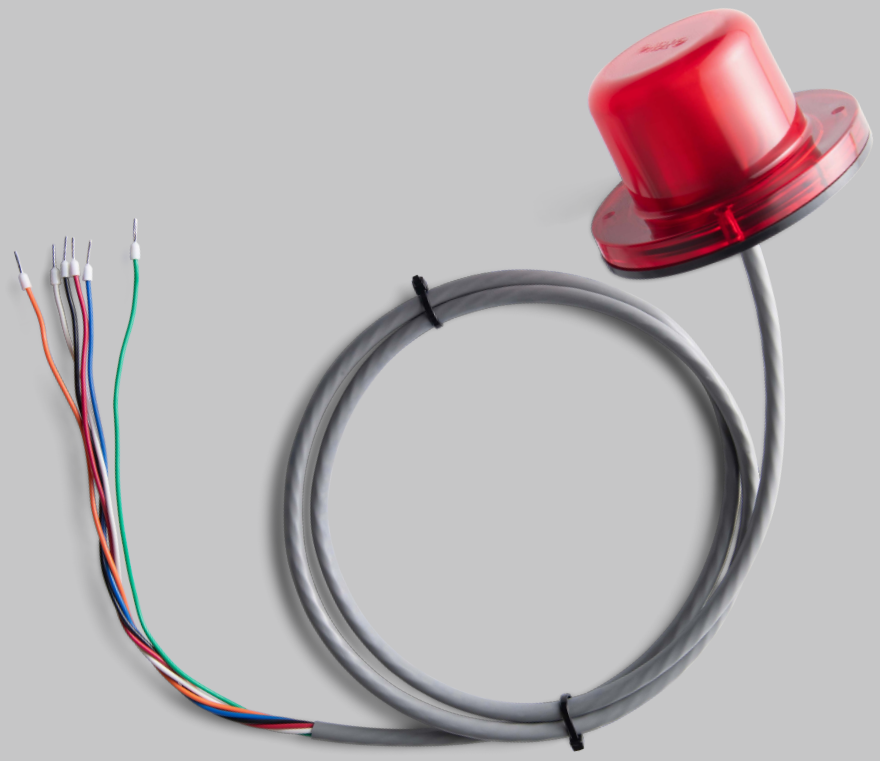
WIONIQ™



IM145

IoT Indicator

Easy to install signaling light built for remote areas. Single pump monitoring with NB-IoT and LTE-M connectivity for sewage applications.

Remote monitoring and smart warning

Every drop. Every watt. Every second.

WIONIQ

Applications

Remote pumping stations in sewage applications | Monitoring of blowers and compressors

Electrical Properties

Power Supply

Operating voltage
24VDC +- 20%
24VAC +- 20%
Maximum Voltage
42 V dc, 30 V ac RMS
Power Consumption
0,5 W typical (2,5 W max.)

General

Wireless connectivity
NB-IoT/LTE-M
Supported cellular bands
all European bands
MicroSIM
10 year connectivity/500 MB
Certification
CE, RED, RoHS

Digital I/O

Digital inputs
Pump running
Pump Thermal protection
High water level
Digital output
Pump reset
Cable specs
6-wire pigtail (1.5 m)

Digital I/O Characteristics

Maximum input rating
40 VDC | 30 VAC RMS
Max. input logic low threshold
5.0 V (IEC 61131-2 type 1)
Min. input logic high threshold
15.0 V (IEC 61131-2 type 1)
Input logic high input current
2.2 mA typical
Digital output type
Open drain
Digital output drive current
150 mA (internally fused)

Mechanical Specifications

Dimensions
Overall diameter: 90mm
Height: 55mm
Cable hole: 10 mm (@center)
Bolt circle: 4x M4 (@77mm PCD)
Weight
235 gr
Ingress protection
IP65

Operating Conditions

Operating temperature
-20 °C ... +50 °C
Storage temperature
-40 °C ... +70 °C
Relative humidity
10 % ... 95 %

Software

Data Collection/Recording

- Pump running including start/stop time
- Daily pump totals (runtime + switches)
- Pump totals since installation
- Pump status (on/off/standby/failure)
- High water floater status (active / not active)

Remote Settings/Commands

- Counter reset pump runtime
- Counter reset pump switches
- Pump reset

Alarms

- Power failure / High water (floater)
- Thermal fault Pump
- High water and no pump running
- Connection failure
- No data received during last 24h

Dijkgraafweg 16, 7336 AT Apeldoorn | +31 55-534 2002 | info@wioniq.com | **www.wioniq.com**