



Magnetic field exposure

Safety

EN 62479

IEC 60950-1, EN 60950-22

with Directive

2014/53/UE (RED)

# **DIMENSIONAL DRAWING**



# **TECHNICAL FEATURES FOCUS**

# Plug & Play installation

- Water detection cable length: 5 meters (up to 25m on demand)
- Cable fixation on soil with non metallic ties (not provided)
- Activation with magnet (LED feedback)

#### High configurability of event detection and transmission

- Event notification of water detection and/or end of detection
- Immediate transmission or after stable state duration
- Reconfiguration possible over the air

- Network configuration
  LoRaWAN parameters (OTAA or ABP activation mode, initial datarate,...)
- Encryption keys customizable by client
- Standard LoRaWAN retries support
- Radio collisions avoidance by pseudo-randomization of transmissions
- Advanced transmission reliability mechanisms (recovery of lost messages...)

### **BATTERY LIFE DURATION ESTIMATION**

This following matrix provides the estimated battery lifetime depending on the average Spreading factor used by the Senlab and the transmission period.

Battery life (years)	10mn	15mn	30mn	1h	2h	4h	6h	8h	12h	24h
SF7	16,8	18,5	>20	>20	>20	>20	>20	>20	>20	>20
SF8	14,1	16,2	19,1	>20	>20	>20	>20	>20	>20	>20
SF9	10,5	12,8	16,5	19,3	>20	>20	>20	>20	>20	>20
SF10	7,1	9,2	13,2	16,8	19,5	>20	>20	>20	>20	>20
SF11	4,4	6,1	9,6	13,6	17,2	19,7	>20	>20	>20	>20
SF12	2,6	3,7	6,4	10,0	14,0	17,4	19,0	19,9	>20	>20

T.: +33(0)4 67 13 01 57 • contact@sensing-labs.com Sensing Labs • Cap Oméga • Rd-pt Benjamin Franklin • 34960 Montpellier cedex 2 • France