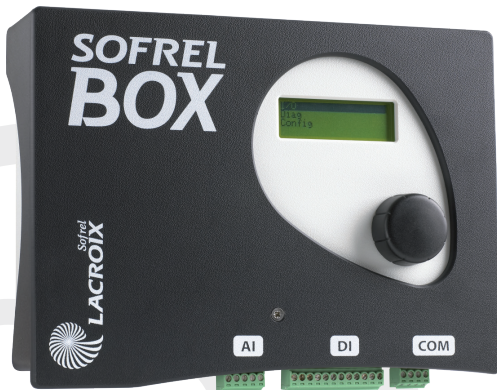


SOFREL HF-BOX 2

REMOTE CONTROL VIA RADIO

Slave control between reservoir and pumping station



USES AND BENEFITS

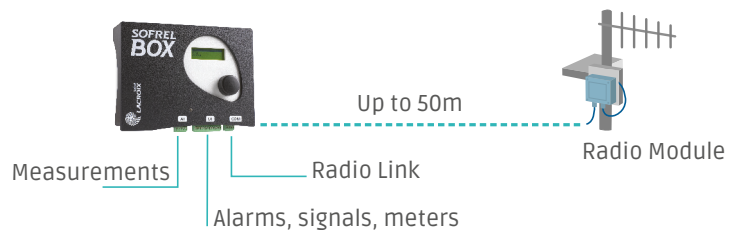
- **Remote control and telemonitoring**
 - Remote management of small isolated installations with no power supply
 - Acquisition of information (signals, levels, meter readings..)
 - Transmission of information via license-free Radio to a SOFREL S500 telemetry and SCADA Remote Terminal Unit
 - Local consultation of information on display
- **Slave control**
 - Slave control between reservoir and pumping station
 - Call triggering :
 - on input status change DI
 - after a user-definable period (3, 5, 10 or 15 min)
- **Operating economy**
 - Typical battery life : 4 years
 - Integrated Lithium battery
 - Easy to install
 - Communication via license-free Radio

PRODUCTS FEATURE

- Display for configuration and viewing
- Range : up to 10 km (sites in line of sight)
- Radio Module can be placed up to 50m away
- 2 Ai inputs
- 6 Di in puts (2 usable for metering)

SERVICES FEATURES

- Pre-project study
- Free Hotline
- 3 years guarantee



GENERAL FEATURES :

Units

Dimensions W x H x D	150 x 205 x 70 mm
Display	Case with graphical display and configuration thumbwheel
Power supply	Lithium battery
Autonomy	Typical battery life : 4 years
Protection rating	IP20
Operating temperature	-20°C to +50°C

Technical characteristics

Inputs / Outputs	6 DI Inputs : <ul style="list-style-type: none"> • 2 usable for metering 2 AI Inputs : <ul style="list-style-type: none"> • for 4-20 mA sensors • sensors powered by HF-BOX 2 (12 V)
Radio	License-free 869 MHz, 0,5 W Range : up to 10 km (sites in line of sight) Radio Module can be placed up to 50 m away

FUNCTIONAL DESCRIPTION :

Configuration and Diagnosis	The interactive graphical display (IGD) is the configuration tool of the HF-BOX (DI/AI configuration, consultation of current information values, communication and power supply diagnostics)
Information Acquisition	6 DI are configurable for the management of : <ul style="list-style-type: none"> - 4 alarms (DI 1 to 4) - 2 meters or signals (DI 5 et 6) Inputs meters characteristics : <ul style="list-style-type: none"> - impulsion minimum duration : 20 ms (max. frequency 25 Hz). Only the DI 1 to 4 status change trigger spontaneous emissions. The time delays for the appearance and disappearance of DI 1 to 6 are fixed at 5 seconds. 2 AI for the meters acquisition «4-20 mA» (CNP or 12V sensors, remote-powered or autonomous).
Inter-sites Communication	Exchange of 13 information with the Remote Terminal Unit : <ul style="list-style-type: none"> - Current values meters AI 1 and 2 - Current statements of the DI 1 to 6 (alarms, signals and meter index) - Number of successful transmissions - Number of failures transmissions - Reception Level - Battery power consumption - Battery default
Autonomy	Autonomy for typical configuration : <ul style="list-style-type: none"> - Ambient temperature between 10°C and 30°C - Acquisition of a level measurement via a CNPI sensor - 3 minutes transmission period = Autonomy = 2 years • Période de transmission de 5 minutes = Autonomie = 4 ans

STANDARDS :

Electronic security Standard CEI 60950-1	In accordance with applicable European directives, this device is intended for industrial use. It does not present any hazardous voltage according to the terms of the low voltage directive.
---	--

