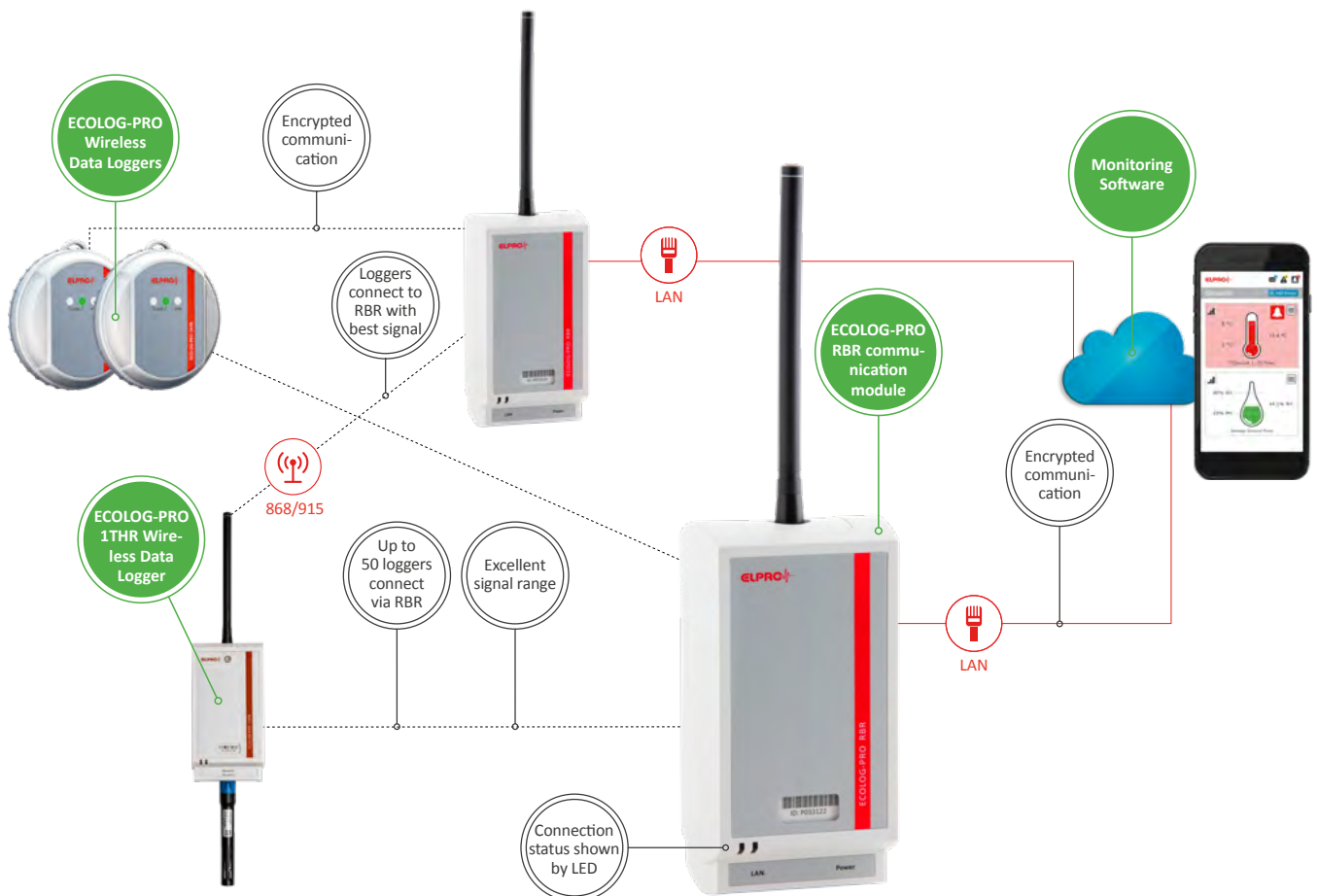# ECOLOG-PRO RBR

Communication module to connect wireless data loggers to elproCLOUD & elproMONITOR

The ECOLOG-PRO RBR (radio bridge) connects with wireless ECOLOG-PRO data loggers and sends encrypted measure-ment data to the monitoring software. Set-up is easy and only takes a few minutes. Simply use an Ethernet cable to connect the ECOLOG-PRO RBR to the Internet via a modem/router/LAN, and register the loggers to your elproCLOUD account or your elproMONITOR installation. Thanks to the radio band used, 868 MHz (Europe, UK, Singapore) or 915 (USA, Australia/New Zealand), the ECOLOG-PRO RBR provides excellent reach and can connect up to 50 wireless loggers. ECOLOG-PRO RBR provides a highly reliable, dynamic connection between data loggers and elproCLOUD or elpro-MONITOR, ensuring no gaps in your data. The elproCLOUD web application aggregates all sensor data and provides a convenient, comprehensive overview, sending alerts if alarm limits are breached. ELPRO's industry-leading software elproMONITOR, integrated into your IT infrastructure and database, monitors hundreds or even thousands of monitoring points with wired or wireless sensors.

we prove it.

✚ SWISS QUALITY

> Connects your wireless data loggers to monitor your valuable goods in rooms, refrigerators or freezers
> Secure, encrypted communication
> External power supply unit or PoE
> Compatible with elproCLOUD & elproMONITOR

Technical Specifications ECOLOG-PRO RBR

Type	Communication module for wireless data loggers
Application area	Environmental monitoring for rooms, refrigerators, freezers, ULT-Freezers or cryo environment
Max. number of connected wireless data loggers	50
Communication interval	1, 2, 3, 5, 10, 15, 20, 30, 60 minutes; depending on configuration of sensors
IP protection class	IP20
Environmental storage temperature / humidity	-10 °C..+50 °C 10 %RH..90 %RH, non-condensing
Environmental operating temperature / humidity	0 °C..+40 °C 10 %RH..90 %RH, non-condensing
Operating altitude	This device must not be used at altitudes higher than 2000 meters above sea level.
Power supply	External power supply unit (Input: 100-240 VAC / 50-60 Hz; Output: 5.9 VDC / 1200 mA) or PoE (Power over Ethernet)
Power Supply Unit	Input voltage: 100 VAC..240 VAC, 50 Hz..60 Hz Output voltage: 6 VDC ±5 % Output current: 1200 mA max. Country-specific plugs: Europe, United Kingdom, USA Size: 55 x 31 x 41 mm Length of connector cable: 1830 mm Note: The module may only be operated with the supplied power supply unit.
Display	2 LED for connection/communication to elproCLOUD & elproMONITOR and connection/communication to wireless data loggers
Traceability	ID number (traceable to component level)
Case | Dimension	ABS plastic material |137 mm (5.39 inch) × 70 mm (2.76 inch) × 57 mm (2.24 inch)
Certifications | Conformity	CE (868 MHz) | UKCA (868 MHz) | RoHS | FCC (915 MHz) | ACMA/RCM (915 MHz) | IMDA (868 MHz)
Wireless connection to data loggers	available in two versions with 868 MHz or 915 MHz, respectively Note: Only the supplied antenna may be used
Connection to the Internet	Via Ethernet cable, Cat 5e or higher; shielded cables mandatory for cable lengths > 3 meters; Speed: 10Mbit or 100Mbit; IP configuration: DHCP (default) or static
Compatible wireless data loggers	ECOLOG-PRO 1NTR, ECOLOG-PRO 2PTR, ECOLOG-PRO 1THR
Declaration of Conformity	https://www.elpro.com/hubfs/fileadmin/Docs/Quality_Documents/ECOLOG-PRO_RBR_ DOC-Conformity_1000278V01.pdf https://www.elpro.com/hubfs/fileadmin/Docs/Quality_Documents/20221209_UKCA_DoC_ ECOLOG-PRO_Radio.pdf