REP-Report-IO®

ACTUATOR / OPENING SENSOR

ineo·sense
BRINGING SENSE TO WIRELESS

LoRaWAN™   Clover-Net

USE CASES

DOOR OPENING

Thanks to its two-way real-time communication, the REP-Report-IO allows remote activation of electric strikes, ideal for opening an access door or a storage box.

In case of existing buildings, deployment of REP-Report-IO objects will allow control and supervision of all your accesses, without additional wiring.

Thanks to LoRa and Clover-Net technology , supervision and instantaneous remote control can be done up to more than 500m in buildings.

MOTOR ACTIVATION AND ACTUATORS

The REP-Report-IO has 2 independent power relays (230Vac / 5A) that enables, for example, the control-command of motors or actuators. The all-or-nothing inputs (dry contact) will detect the return of a position switch indicating the correct activation of the device, or other useful information.

Moreover, a weekly calendar (2 activation periods per day, over 7 days) will allow routine operations to be set up in advance.

REPORT OF STATE

The REP-Report-IO can be used to mutual status.

The 2 REP-Report-IO are paired by configuration, the change of state in an input of one of them can activate the output relay of another REP-Report-IO .

This allows immediate remote status transfer and eliminates wiring need between an activation contact and the motor or actuator. Although this mode works in standalone mode, supervision by a LoRaWAN infrastructure is still possible.

This activation can also be done using an REP-Switch-BP, thus serving as a remote control for one of the REP-Report-IO relays.

SPECIFICITIES

OPERATING MODES

- Timed, delayed, NO or NC relay activation command
- Remote supervision of inputs and output status reporting.
- Seven-day calendar-based control (2 ranges per day)
- Local or remote status reporting (REP-Switch-BP compatible)
- Distribution of power supply (24Vdc or 230Vac) on the outputs or simple relay outputs (optional when ordering).

ADDITIONAL FUNCTIONS

- Tear-off and case opening detection
- KeepAlive and Technical Messages
- Quick start by magnet action

IDENTIFICATION BY LED

A multicolored LED present on the casing allows easy determination of its status.

SCALABLE FEATURES

Thanks to its remote update capability (FOTA), INEO-SENSE offers the addition of new functional modes even more suited to your operational constraints, such as tailor-made relay control scenarios, or other.
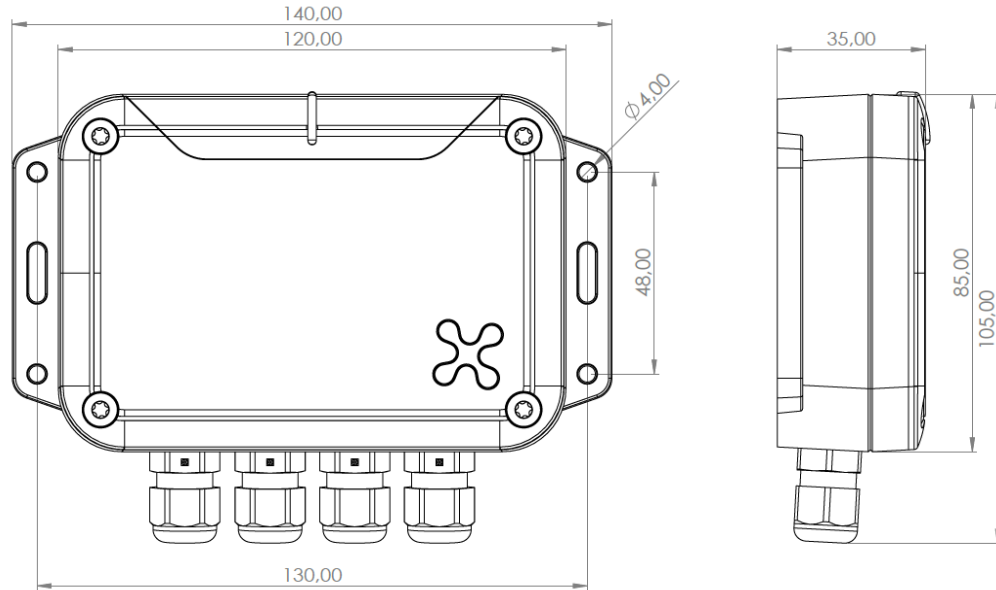
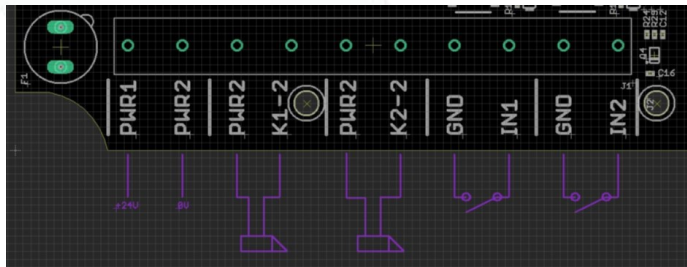### TIME-STAMPED DATALOGGING of events (+3000)

AVAILABLE OPTIONS

- Magnetic fasteners on the back of the case
- Version without ears
- Power supply 230VAC or 24VDC (on order)
- Customizable front panel (colors, logo) for series.

Specifications

Wiring

Physical Characteristics

Power supply	Optional (separate references) on internal terminal block: -24Vdc - 230Vac 50Hz
	- 2 relay outputs with or without power redistribution (separate references), -2 dry contact inputs
Weight	180 g
ABS case	125 x 55 x 40mm
IP rating	IP54 or IP66
Functiuning Temperature	-10°C to 50°C
Storage Temperature	-40°C to 80°C
Humidity	< 95% without condensation

Fixations

Glue
Magnet (optional supply)
Screws

Communication

LoRaWAN	Class A
	EU868, 915US, AU915, AS923
	Private Mode and Public Mode
	OTA and ABP
	Transmit power 14dBm (EU) 20dBm max
CloverNet	

Product References

With differents possible options

REP-LNΣ-X89-$\Omega\Phi$0	Σ= Cases Version	E = WITOUT flange	Ω = IP rating	5 = IP55	Φ =Power supply	C = 24 V_{DC}
REP-LNΣ-X89-$\Omega\Phi$0		O = With flange		6 = IP66		M = 220 V_{AC}

Example of product References

REP-LNE-X89-5C0	REP-Report-IO - Without flange case - IP54 - 24 V_{DC}
REP-LNO-X89-6M0	REP-Report-IO - With flange case - IP66 - 220 V_{AC}

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