

Sensor agnostic, and available in both internal and external antenna variants, the Captis Pulse Lite is incredibly versatile and our most economical unit.

FEATURES

- Sensor agnostic: connect to most off-the-shelf sensor to the industry standard interfaces and protocols
- Multiple inputs can be run concurrently
- Supported out-of-the-box connectivity: LTE [CAT-M1, NB-IoT]
- Embedded SIM
- Encrypted configuration over-the-air [COTA]
- Encrypted firmware upgrades over-the-air [FOTA]
- Secure firmware downloads
- Data transferred over encrypted connection [SSL/TLS]
- Onboard data storage
- IP68 rated
- Battery powered
- Designed and manufactured in Australia



EDGE PROCESSING

Alarming/Fast Logging

The Captis Pulse Lite has on board capabilities for handling process alarms and higher resolution logging and sending, based on measured values. This feature ensures that critical alarm conditions are never missed and users are informed.

Alternative Log/Send

The "alternate schedule" feature allows for a secondary set of log and send intervals based on certain input conditions. The Captis Pulse Lite can swap the primary log and send interval to a secondary set of logging and sending intervals on a configurable alarm value - returning to the default log interval and send interval when that state has cleared. This can be utilised to provide higher or lower resolution data logging and data availability on a per need basis.

Process Alarms

Alarms will trigger based on the processed data values at the time of logging. The alarm trigger contains a setpoint and a hysteresis value. The alarming can happen on process values above the setpoint+ hysteresis or below setpoint-hysteresis, or on both conditions.

Connection can be made to the client's selected platform on an alarm state, where the SMS and email alert functionality can be actioned.

Cable Cut Loopback Detection

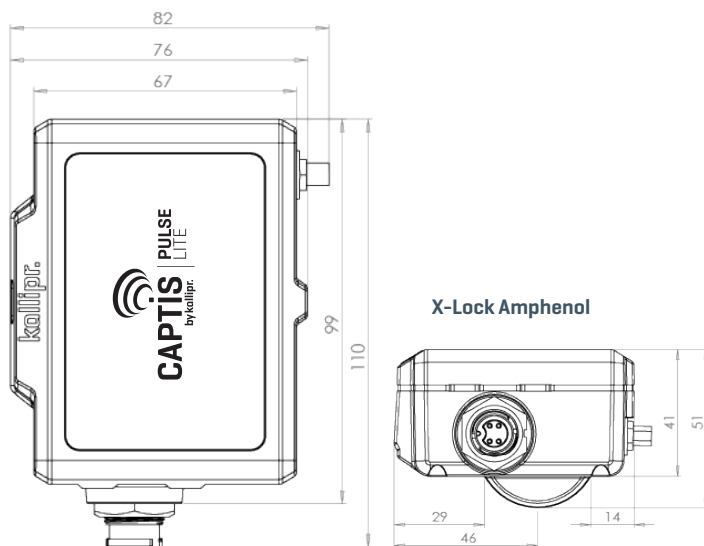
The Captis Pulse Lite supports a loopback cable cut detection if required for identifying physical tamper, via the use of 1 x digital input [if required]. It is recommended that the tamper loop is as close as possible to the sensor to ensure the cable cut functionality is effective.

SPECIFICATIONS

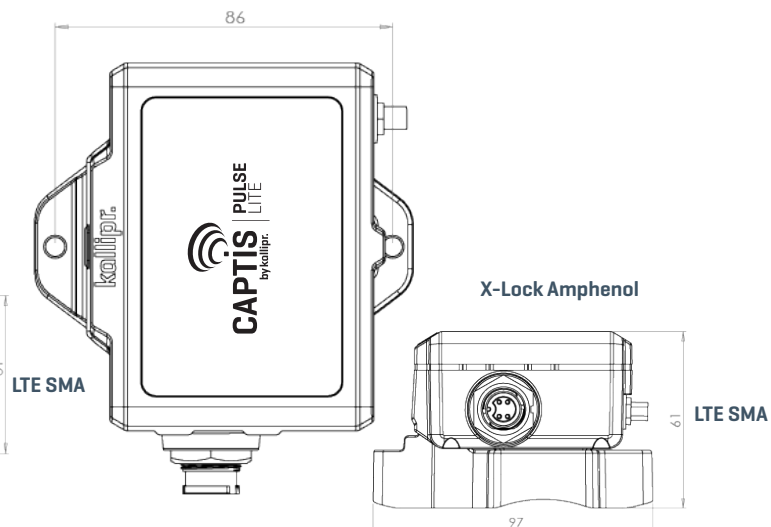
Battery Voltage	3.6V
Battery Capacity	19000 mAh
Battery Type	Non-Rechargeable LiSoCl ₂
Product Warranty ¹	5 years / 5,000 transmissions
Digital Inputs 1 & 2 ²	Active and Passive Switch and Pulse Minimum Pulse Width: 3 milliseconds
Protocols	MQTT
Certification	RoHS, RCM, CE, FCC
Platform Supported	Out-of-the-box integration with SAG Cumulocity and Microsoft Azure IoT Hub
Connectors	X-Lock Amphenol, LTE SMA
LTE Antenna ³	Captis Pulse Lite IA variant - built-in internal antenna only Captis Pulse Lite EA variant - external antenna only
IP Rating	IP68 [1m for 24 hours]
Log Interval [Clock Mode] - Min	10 seconds
Log Interval [Switch Mode] - Min ⁴	3 seconds
Send Interval - Min	15 minutes
Operating Temperature	-20° to 70°C
Unit Dimensions	110 x 82 x 51mm [LxWxD] 110 x 97 x 61mm [LxWxD] with mounting bracket
Unit Weight	0.260kg [device only] 0.298kg [device with mounting bracket]

DIMENSIONS

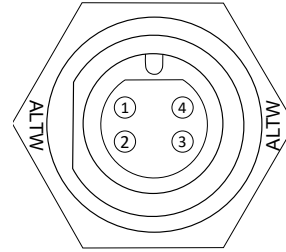
Pulse Lite EA (Device only)



Pulse Lite EA (Device with mounting bracket)



PINS & FUNCTIONS



X-Lock Amphenol (Socket)

PIN	FUNCTION
1	Digital Input 1 -
2	Digital Input 1 +
3	Digital Input 2 +
4	Digital Input 2 -

¹ Please find all Captis warranty information on the Kallipr website: <http://www.kallipr.com/captis-product-warranty/>

² Please note for any sensors intended to be connected to the Captis device, these should be reviewed and verified by Kallipr prior to use to ensure compatibility.

³ Captis Pulse Lite EA variant must use an external antenna when operated. External antenna accessories sold separately.

⁴ Log Interval, triggered in Switch mode, from external signal, limited to 3 seconds. Dependent on solution configuration and subject to review and approval by Kallipr.