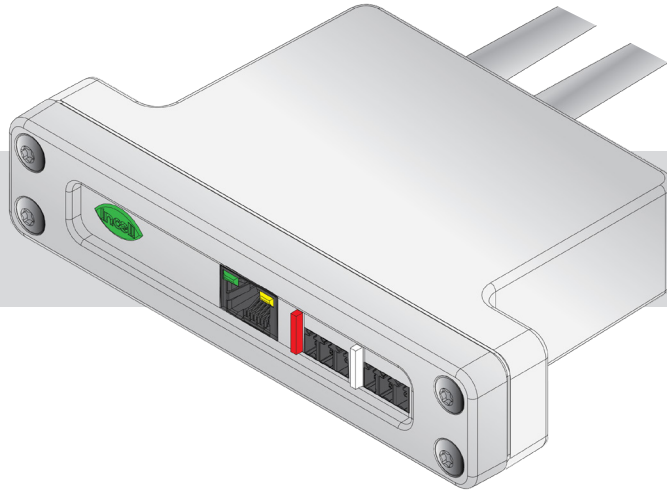




Connect Alert

Extended Alarm Interface
Generation 5 Batteries



Connect Alert communicates with SLB48 batteries via CAN communication and can translate information or alarms to operate two configurable dry connector relays. Additionally it can provide Bluetooth access to the battery system for installers/maintenance staff. Using the Studio Mobile App you can access the Connect - Alert to monitor/configure alarms and view battery performance data.

- Safe**
- Simple**
- Strong**
- Smart**
- Secure**
- Sustainable**

Product Description

The Connect Alert communicates with a single or a string of SLB48 batteries via CAN and translates alarms into two configurable dry contact alarms (normally open / normally closed), the Connect Alert also makes battery information available in a mobile App over Bluetooth. Powered by power cables to the battery terminals, the Connect Alert easily installs and adds high levels of modularity to the site allowing for effective monitoring and site integration.

The Connect Alert is powered from the battery bus and will remain in operation as long as the supply voltage is greater than 30V. The supply to the Connect Alert is protected against reversed polarity and has safety features built in to protect the product and site.

Studio Mobile Application

Polarium Studio Mobile has a series of functions available to the operator at the mobile phone level. While the capabilities of the PC iteration are more advanced, Polarium Studio Mobile can monitor the alarm system and site information via Bluetooth or cloud data sources.

You can download Studio Mobile from the Apple Store and Google Play Store. Search for "Polarium Studio".



Data subject to change without notice



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Input Power	
Power Input	Red and Black Power Cables w/ M8 lug to connect to battery terminals
Nominal Input Voltage	-48Vdc (30-60Vdc)
Operational Voltage	30-65 V
Auto Start Voltage	30 V
Shutdown Voltage	29 V
Relay Rating	5W, 60V

Output			
A1	Alert 1	5W, 60 V	Normally Open/ Normally Closed
A2	Alert 2	5W, 60 V	Normally Open/ Normally Closed

Communication Ports	Function	Interface
RS485/CAN (in)	Allows daisy-chaining of the RS485 bus. Allows MCU access to the CANbus	RJ45, 8 pin
RS485/CAN (out)	Allows daisy-chaining of the RS485 bus. Allows MCU access to the CANbus PC access (with Studio) to configure dry contacts and view battery status	RJ45, 8 pin
Bluetooth BLE	Configuration of dry contacts View real time battery status	Wireless

Indications		
Power	LED Green	Power on, Bluetooth connected
	LED Off	Power off
	LED Flashing	Power on, Bluetooth disconnected
RJ45 Communications LED's	LED Off	No Communication
	LED Yellow/Red	Communication Problem
	One for each port	LED Green
Output Dry Connector Relay	LED Off	No Alert
	LED Red	Alert Active

Environmental	
Operational Temperature	-20°C -+ 70°C
Ingress Protection	IP20
Humidity	20% - 95% RH

Standards
ETSI 300 386
IEC 62368
RoHS

