



SelfChill Remote Monitoring and Control System

392869 • EN • 04/2024

The SelfChill Remote Monitoring and Control System serves as an efficient and intelligent solution for managing cooling systems. It is a comprehensive solution designed to provide real-time monitoring, data acquisition and control for various environmental parameters and equipment statuses

Features



Easy to Install

The SelfChill Remote monitoring system is a plugand-play solution which is easy to install. The sensors supplied are equipped with reverse polarity protection.





A wide range of sensors including voltage, door, and temperature sensors are supported. Additional sensors can be seamlessly integrated ensuring adaptability to changing environmental and operational needs.



User friendly Interface

Multiple Applications

The dashboards of the remote monitoring platform provide clear visualizations of monitored parameters, trends and historical data for easy interpretation and analysis





Power Back up and Data Storage

A built-in power backup system ensures uninterrupted operation of the monitoring system even during power outages. At the same time, real time and historical data is







| Interface and Connections RS232 interface RS245 interface Ethernet interface Invoir of inverter, controller, genset connections 128 Noor of different inverter, controller, genset types 3 Analog sensors Digital sensors 8 (in total for digital and pulse) Pulse sensors 8 (in total for digital and pulse) Pulse sensors 8 (in total for digital and pulse) Sensor extension box connection Bluetooth connection Data transfer Wi-Fi GSM (2-4G) LAN Data transfer after connection losses Control and logic On-site logic circuits Remote control of inverters Noor felays 6 Remote control of relays Edge calculations Data storage SD card Local data storage Power supply External power supply Backup power 2 Ah Box setup Setup software Change EcoPhi Box setting via SMS More On-Site alarms SMS alarms On-site display Camera connection V 1 1 1 1 1 2 1 2 1 2 1 2 1 2 | Specifications and Functions | | |
|--|--|-----------------------------|--|
| RS485 interface Ethernet interface IN° of inverter, controller, genset connections 128 N° of different inverter, controller, genset types 3 Analog sensors Jigital sensors 8 (in total for digital and pulse) Pulse sensors 8 (in total for digital and pulse) Pulse sensors 8 (in total for digital and pulse) Sensor extension box connection Bluetooth connection Data transfer Wi-Fi GSM (2-4G) LAN Data transfer after connection losses Control and logic On-site logic circuits Remote control of relays Edge calculations Data storage SD card Local data storage Power supply External power supply Setup software Change EcoPhi Box setting via SMS More On-Site alarms More On-Site alarms More On-Site alarms More On-Site display 1 2 3 3 3 1 28 N° of inverter, controller, genset types 3 8 (in total for digital and pulse) 8 (in total for digital and pulse) 8 (in total for digital and pulse) 9 (in total for digital and pulse) 9 (in total for digital and p | Interface and Connections | | |
| Ethernet interface N° of inverter, controller, genset connections 128 N° of different inverter, controller, genset types 3 Analog sensors Digital sensors 8 (in total for digital and pulse) Pulse sensors 8 (in total for digital and pulse) Pulse sensors 8 (in total for digital and pulse) Sensor extension box connection Bluetooth connection Data transfer Wi-Fi GSM (2- 4G) LAN Data transfer after connection losses Control and logic On-site logic circuits Remote control of inverters N° of relays 6 Remote control of relays Edge calculations Data storage SD card Local data storage Power supply External power supply External power 2 Ah Box setup Setup software Change EcoPhi Box setting via SMS More On-Site alarms SMS alarms On-site display V Setup software On-site display V SMS alarms V SI (in total for digital and pulse) 8 (in total for di | | 1 | |
| N° of inverter, controller, genset connections 128 N° of different inverter, controller, genset types 3 Analog sensors Digital sensors 8 (in total for digital and pulse) Pulse sensors 8 (in total for digital and pulse) Pulse sensors 8 (in total for digital and pulse) Sensor extension box connection Bluetooth connection Data transfer Wi-Fi GSM (2- 4G) LAN Data transfer after connection losses ✓ Control and logic On-site logic circuits Remote control of inverters N° of relays 6 Remote control of relays Edge calculations Data storage SD card Local data storage Power supply External power supply Backup power 2 Ah Box setup Setup software Change EcoPhi Box setting via SMS More On-Site alarms ✓ More On-Site alarms ✓ On-site display ✓ Constit logic circuits ✓ Control and logic On-site display ✓ Control and logic On-site display ✓ Control and logic On-site display ✓ Control and pulse) 8 (in total for digital and pulse) 8 (in | RS485 interface | 2 | |
| N° of different inverter, controller, genset types 3 3 Analog sensors 4 Digital sensors 8 (in total for digital and pulse) 8 (in total for digital and pulse) Pulse sensors 8 (in total for digital and pulse) 8 (in total for digital and pulse) Sensor extension box connection ✓ Bluetooth connection ✓ Data transfer ✓ Wi-Fi ✓ GSM (2-4G) LAN ✓ Data transfer after connection losses ✓ Control and logic ✓ On-site logic circuits ✓ Remote control of inverters ✓ N° of relays 6 6 Remote control of relays ✓ Edge calculations ✓ Data storage ✓ SD card ✓ Local data storage ✓ Power supply 12 - 30 VDC Backup power 2 Ah 2 Ah Box setup ✓ Setup software ✓ Change EcoPhi Box settings from platform ✓ Change EcoPhi Box setting via SMS ✓ More ✓ On-Site alarms ✓ SMS alarms ✓ On-site display ✓ | Ethernet interface | 1 | |
| N° of different inverter, controller, genset types 3 3 Analog sensors 4 Digital sensors 8 (in total for digital and pulse) 8 (in total for digital and pulse) Pulse sensors 8 (in total for digital and pulse) 8 (in total for digital and pulse) Sensor extension box connection ✓ Bluetooth connection ✓ Data transfer ✓ Wi-Fi ✓ GSM (2-4G) LAN ✓ Data transfer after connection losses ✓ Control and logic ✓ On-site logic circuits ✓ Remote control of inverters ✓ N° of relays 6 6 Remote control of relays ✓ Edge calculations ✓ Data storage ✓ SD card ✓ Local data storage ✓ Power supply 12 - 30 VDC Backup power 2 Ah 2 Ah Box setup ✓ Setup software ✓ Change EcoPhi Box settings from platform ✓ Change EcoPhi Box setting via SMS ✓ More ✓ On-Site alarms ✓ SMS alarms ✓ On-site display ✓ | N° of inverter, controller, genset connections 128 | 128 | |
| Analog sensors Digital sensors 8 (in total for digital and pulse) Pulse sensors 8 (in total for digital and pulse) Pulse sensors 8 (in total for digital and pulse) 9 (2-4G) 1-4G) | | 3 | |
| Digital sensors 8 (in total for digital and pulse) Pulse sensors 8 (in total for digital and pulse) Pulse sensors 8 (in total for digital and pulse) Sensor extension box connection Jesus Sensor extension box connection Sensor extension box connection Data transfer Wi-Fi GSM (2- 4G) LAN Data transfer after connection losses Control and logic On-site logic circuits Remote control of inverters N° of relays 6 Remote control of relays Edge calculations Coat at storage SD card Local data storage Power supply External power supply External power supply Setup software Change EcoPhi Box settings from platform Change EcoPhi Box setting via SMS More On-site alarms On-site display * (in total for digital and pulse) 8 (in total for digital and pulse) * (in total for digital and pulse) * (2- 4G) * | | 4 | |
| pulse) Pulse sensors 8 (in total for digital and pulse) **Onsite digital and pulse) 8 (in total for digital and pulse) **Onsite display 8 (in total for digital and pulse) **Onsite display 8 (in total for digital and pulse) **Onsite display 8 (in total for digital and pulse) **Onsite display 8 (in total for digital and pulse) **Onsite display 8 (in total for digital and pulse) **Onsite display 8 (in total for digital and pulse) **Onsite display | | 8 (in total for digital and | |
| Pulse sensors 8 (in total for digital and pulse) Sensor extension box connection Bluetooth connection Data transfer Wi-Fi GSM (2-4G) LAN Data transfer after connection losses Control and logic On-site logic circuits Remote control of inverters N° of relays 6 Remote control of relays Edge calculations Coat data storage Power supply External power supply Backup power 2 Ah Box setup Setup Software Change EcoPhi Box setting via SMS More On-site alarms SMS alarms On-site display V (in total for digital and pulse) 8 (in total for digital and pulse) V (and both setting the mulse) V (below the first of digital and pulse) V (and below the first of digital and pulse) V (below to total for digital and pulse) V (and both setting for digital and pulse) V (below to total for digital and pulse) V (and both setting for digital and pulse. V (and both setting for digi | g | | |
| Sensor extension box connection Bluetooth connection Data transfer Wi-Fi GSM (2-4G) LAN | Pulse sensors 8 (in total for digital and pulse) | | |
| Sensor extension box connection Bluetooth connection Data transfer Wi-Fi GSM (2-4G) LAN Data transfer after connection losses Control and logic On-site logic circuits Remote control of inverters N° of relays 6 Remote control of relays Edge calculations Cota storage SD card Local data storage Power supply External power supply Backup power 2 Ah Setup Software Change EcoPhi Box settings from platform Change EcoPhi Box setting via SMS More On-site alarms More On-site alarms Mi-Fi V (2-4G) V Cadg (2-4G) V Cadg (2-4G) V Cantrol V Cantrol V Control and logic On-site display | · also sellisels o (iii sesali sel aligitali aliia palise) | | |
| Bluetooth connection Data transfer | Sensor extension box connection | <i>y</i> | |
| Data transfer Wi-Fi ✓ GSM (2-4G) LAN ✓ Data transfer after connection losses ✓ Control and logic ✓ On-site logic circuits ✓ Remote control of inverters ✓ N° of relays 6 6 Remote control of relays ✓ Edge calculations ✓ Data storage ✓ SD card ✓ Local data storage ✓ Power supply 12 - 30 VDC Backup power 2 Ah 2 Ah Box setup ✓ Setup software ✓ Change EcoPhi Box settings from platform ✓ Change EcoPhi Box setting via SMS ✓ More On-Site alarms ✓ On-site display ✓ | | √ | |
| Wi-Fi GSM (2- 4G) LAN Data transfer after connection losses Control and logic On-site logic circuits Remote control of inverters N° of relays 6 Remote control of relays Edge calculations Coat storage SD card Local data storage Power supply External power supply External power 2 Ah Box setup Setup software Change EcoPhi Box settings from platform Change EcoPhi Box setting via SMS More On-Site alarms More On-site display Cantrol (2- 4G) (3- 4) Consite alarms | Bidetootii comiectori | | |
| Wi-Fi GSM (2- 4G) LAN Data transfer after connection losses Control and logic On-site logic circuits Remote control of inverters N° of relays 6 Remote control of relays Edge calculations Coat storage SD card Local data storage Power supply External power supply External power 2 Ah Box setup Setup software Change EcoPhi Box settings from platform Change EcoPhi Box setting via SMS More On-Site alarms More On-site display Cantrol (2- 4G) (3- 4) Consite alarms | Data transfer | | |
| GSM (2-4G) LAN Data transfer after connection losses Control and logic On-site logic circuits Remote control of inverters N° of relays 6 Remote control of relays Edge calculations Coat a storage SD card Local data storage Power supply External power supply External power 2 Ah Box setup Change EcoPhi Box settings from platform Change EcoPhi Box setting via SMS More On-Site alarms More On-site display | | √ | |
| LAN Data transfer after connection losses Control and logic On-site logic circuits Remote control of inverters N° of relays 6 Remote control of relays Edge calculations Coat a storage SD card Local data storage Power supply External power supply External power 2 Ah Box setup Setup software Change EcoPhi Box settings from platform Change EcoPhi Box setting via SMS More On-Site alarms More On-site display ✓ | 177.7 | (2-4G) | |
| Data transfer after connection losses ✓ Control and logic On-site logic circuits Remote control of inverters N° of relays 6 Remote control of relays Edge calculations ✓ Data storage SD card Local data storage Power supply External power supply External power 2 Ah Box setup Setup software Change EcoPhi Box settings from platform Change EcoPhi Box setting via SMS More On-Site alarms ✓ On-site display ✓ Consider Consider and Consider | | (2 4 3) ✓ | |
| Control and logic On-site logic circuits Remote control of inverters N° of relays 6 Remote control of relays Edge calculations Data storage SD card Local data storage Power supply External power supply External power 2 Ah Box setup Setup software Change EcoPhi Box settings from platform Change EcoPhi Box setting via SMS More On-Site alarms On-site display ✓ | | <i>'</i> | |
| On-site logic circuits Remote control of inverters N° of relays 6 Remote control of relays Edge calculations Data storage SD card Local data storage Power supply External power supply Backup power 2 Ah Data storage SD card Change EcoPhi Box settings from platform Change EcoPhi Box setting via SMS More On-Site alarms On-site display ✓ | Data transfer after confilection losses | <i>'</i> | |
| On-site logic circuits Remote control of inverters N° of relays 6 Remote control of relays Edge calculations Data storage SD card Local data storage Power supply External power supply Backup power 2 Ah Data storage SD card Change EcoPhi Box settings from platform Change EcoPhi Box setting via SMS More On-Site alarms On-site display ✓ | Control and logic | , | |
| Remote control of inverters N° of relays 6 Remote control of relays Edge calculations Data storage SD card Local data storage Power supply External power supply External power 2 Ah Data storage Power supply External power supply External power supply Backup power 2 Ah Change EcoPhi Box settings from platform Change EcoPhi Box setting via SMS More On-Site alarms On-site display | | √ | |
| N° of relays 6 6 Remote control of relays ✓ Edge calculations ✓ Data storage ✓ SD card ✓ Local data storage ✓ Power supply 12 - 30 VDC Backup power 2 Ah 2 Ah Box setup ✓ Setup software ✓ Change EcoPhi Box settings from platform ✓ Change EcoPhi Box setting via SMS ✓ More ✓ On-Site alarms ✓ On-site display ✓ | | √ · | |
| Remote control of relays Edge calculations Data storage SD card Local data storage Power supply External power supply External power 2 Ah Data storage V Setup software Change EcoPhi Box settings from platform Change EcoPhi Box setting via SMS More On-Site alarms V On-site display V Setup software V On-site display | | 6 | |
| Data storage SD card Local data storage Power supply External power supply External power 2 Ah Box setup Setup software Change EcoPhi Box settings from platform Change EcoPhi Box setting via SMS ✓ More On-Site alarms ✓ On-site display ✓ ✓ On-site display | - | | |
| Data storage SD card Local data storage Power supply External power supply External power 2 Ah Box setup Setup software Change EcoPhi Box settings from platform Change EcoPhi Box setting via SMS ✓ More On-Site alarms ✓ On-site display ✓ ✓ On-site display | | · · | |
| SD card Local data storage Power supply External power supply Backup power 2 Ah Box setup Setup software Change EcoPhi Box settings from platform Change EcoPhi Box setting via SMS ✓ More On-Site alarms ✓ On-site display ✓ On-site display | Lage calculations | · | |
| SD card Local data storage Power supply External power supply Backup power 2 Ah Box setup Setup software Change EcoPhi Box settings from platform Change EcoPhi Box setting via SMS ✓ More On-Site alarms ✓ On-site display ✓ On-site display | Data storage | | |
| Local data storage Power supply External power supply Backup power 2 Ah Box setup Setup software Change EcoPhi Box settings from platform Change EcoPhi Box setting via SMS ✓ More On-Site alarms ✓ On-site display ✓ On-site display | | √ | |
| Power supply External power supply Backup power 2 Ah Box setup Setup software Change EcoPhi Box settings from platform Change EcoPhi Box setting via SMS More On-Site alarms SMS alarms On-site display 12 - 30 VDC 2 Ah 12 - 30 VDC 4 Ah Change EcoPhi Box setting via SMS | | <i>,</i> | |
| External power supply Backup power 2 Ah Box setup Setup software Change EcoPhi Box settings from platform Change EcoPhi Box setting via SMS More On-Site alarms SMS alarms On-site display 12 - 30 VDC 2 Ah 12 - 30 VDC 2 Ah | Local data storage | · | |
| External power supply Backup power 2 Ah Box setup Setup software Change EcoPhi Box settings from platform Change EcoPhi Box setting via SMS More On-Site alarms SMS alarms On-site display 12 - 30 VDC 2 Ah 12 - 30 VDC 2 Ah | Power supply | | |
| Backup power 2 Ah Box setup Setup software Change EcoPhi Box settings from platform Change EcoPhi Box setting via SMS More On-Site alarms SMS alarms On-site display | | 12 20 VDC | |
| Box setup Setup software Change EcoPhi Box settings from platform Change EcoPhi Box setting via SMS ✓ More On-Site alarms ✓ On-site display ✓ On-site display | | | |
| Setup software Change EcoPhi Box settings from platform Change EcoPhi Box setting via SMS More On-Site alarms SMS alarms On-site display ✓ | Backup power 2 Am | 2 AII | |
| Setup software Change EcoPhi Box settings from platform Change EcoPhi Box setting via SMS More On-Site alarms SMS alarms On-site display ✓ | Roy setup | <i>J</i> | |
| Change EcoPhi Box settings from platform Change EcoPhi Box setting via SMS ✓ More On-Site alarms ✓ SMS alarms ✓ On-site display | | <i>y</i> | |
| Change EcoPhi Box setting via SMS More On-Site alarms ✓ SMS alarms ✓ On-site display | | <i>y</i> | |
| More On-Site alarms ✓ SMS alarms ✓ On-site display | | <i>y</i> | |
| On-Site alarms ✓ SMS alarms ✓ On-site display | Change Ecorni Box Setting Via Sivis | Y | |
| SMS alarms ✓ On-site display | More | | |
| On-site display ✓ | On-Site alarms | ✓ | |
| | SMS alarms | ✓ | |
| | On-site display | ✓ | |
| | | ✓ | |

| Order Options | | |
|---------------|--|--|
| Article No. | Name | |
| 392870 | Camera SelfChill Remote Monitoring | |
| 392871 | Display SelfChill Remote Monitoring | |
| 303839 | 1-Year Subscription SelfChill Remote Monitoring Platform | |
| 392962 | Temperature Sensor Box SelfChill Remote Monitoring | |
| 392963 | Flow Sensor SelfChill Remote Monitoring | |
| 392964 | String Monitoring Unit SelfChill Remote Monitoring | |