

XWEB EVO

Supervisor and monitoring systems



XWEB EVO



WHAT IT IS

Supervisor and Monitoring Systems for the management of Retail field and HVAC/R applications

XWEB EVO



Main applications



Hypermarkets



Convenience stores



Supermarkets



Petrol stations



Restaurants

XWEB EVO

The scalable solutions

The XWEB EVO Series offers maximum adaptability suitable for every kind of application, from petrol station, to hypermarket, convenience stores and restaurant chains



XWEB EVO

Supervisor and monitoring solution for retail



With its powerful hardware platform, Web technology architecture and a complete range of dedicated functions, XWEB EVO is the right choice for the Retail environment



XWEB EVO

Main features



ALARM MANAGEMENT

An effective alarm management system easily detects and signals alarm status so prompt intervention can restore optimum functioning of the application. Better commissioning with «Real time data graphs»



HIGH CONNECTIVITY

A powerful hardware platform with USB, Ethernet, RS485 ports, and more, offers the maximum level of connectivity



HIGH INTEGRATION

Extended accessibility to the User Interface from mobile devices like iOS & ANDROID smartphones and tablets



FOOD QUALITY

Constant data recording, HACCP reports and timely alarm notification guarantee high quality of fresh and frozen food and is in compliance with the UNI EN 12830 rule



ENERGY SAVING

Special algorithms and continuous tracking of energy usage optimizes the application's efficiency by increasing energy savings and reducing costs



ENVIRONMENTALLY FRIENDLY

With our eco-friendly solutions, innovation and efficiency means respecting the environment by optimizing consumption and reducing pollution, gas emission and waste

XWEB300D EVO

Alarm management and controlling web server



Designed for 6 or 18 device installations

- Petrol stations
- Mini-market
- Small storage centres



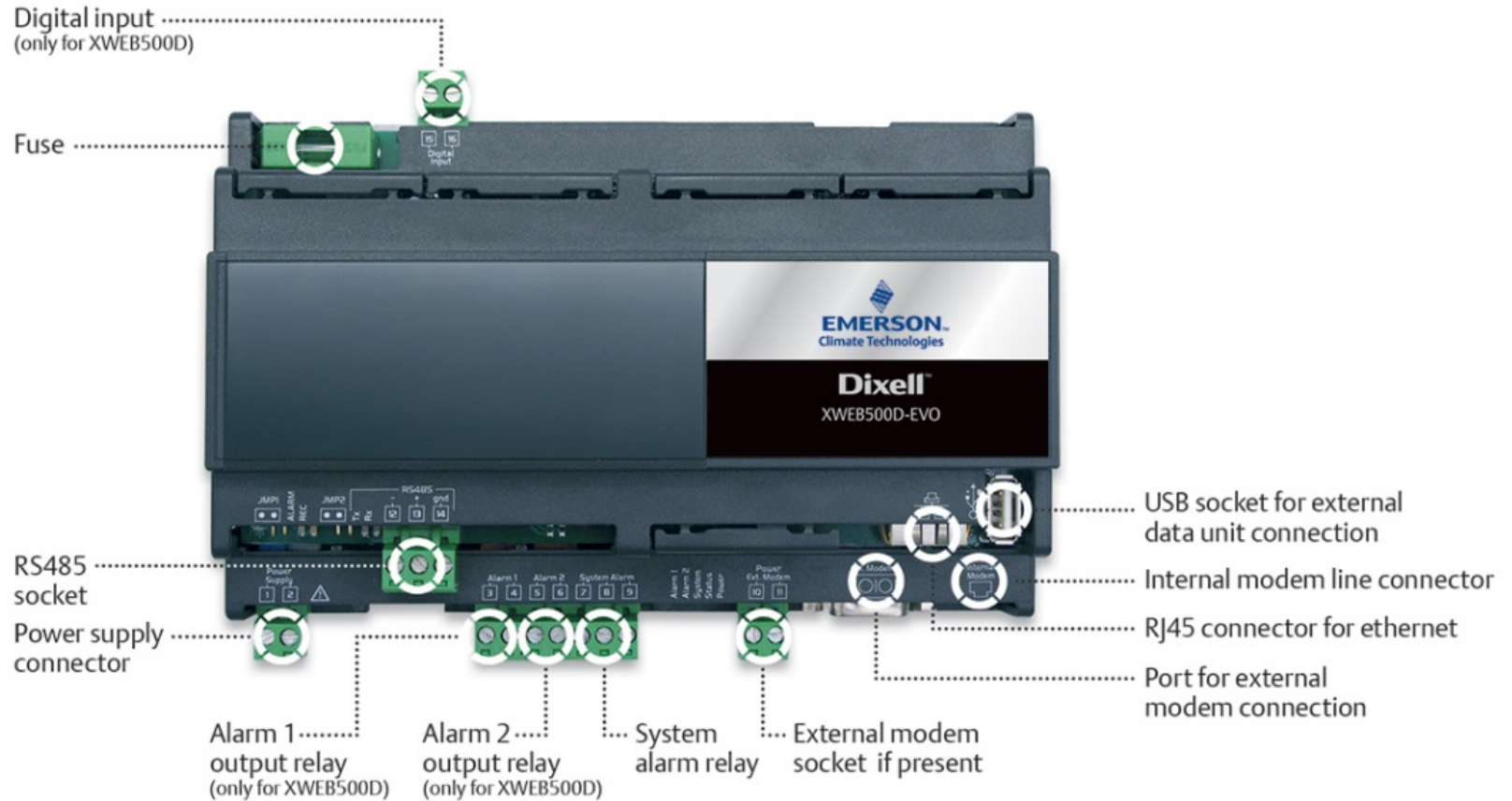
XWEB300D EVO

Features

- 10DIN Rail module directly **inside the machine board or wall mounting** with brackets
- Up to **1 year temperature recording**
- Optimized controller values visualization via “**Single View**” and “**Overview**” functions
- Possibility to **modify the parameters** of the connected devices remotely
- **Automatic data export** to USB pendrive
- Alarm notification via **SMS** or **e-mail**

XWEB300D EVO

Interfaces



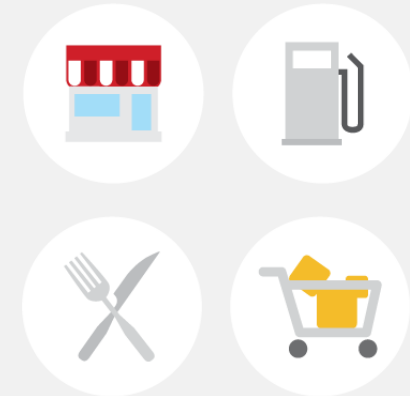
XWEB500D EVO & XWEB500 EVO

Alarm management and controlling web server



Designed for medium installations up to 36, 50 or 100 devices

- Petrol Stations
- Restaurant chains
- Supermarkets
- Storage centers



XWEB500D EVO & XWEB500 EVO

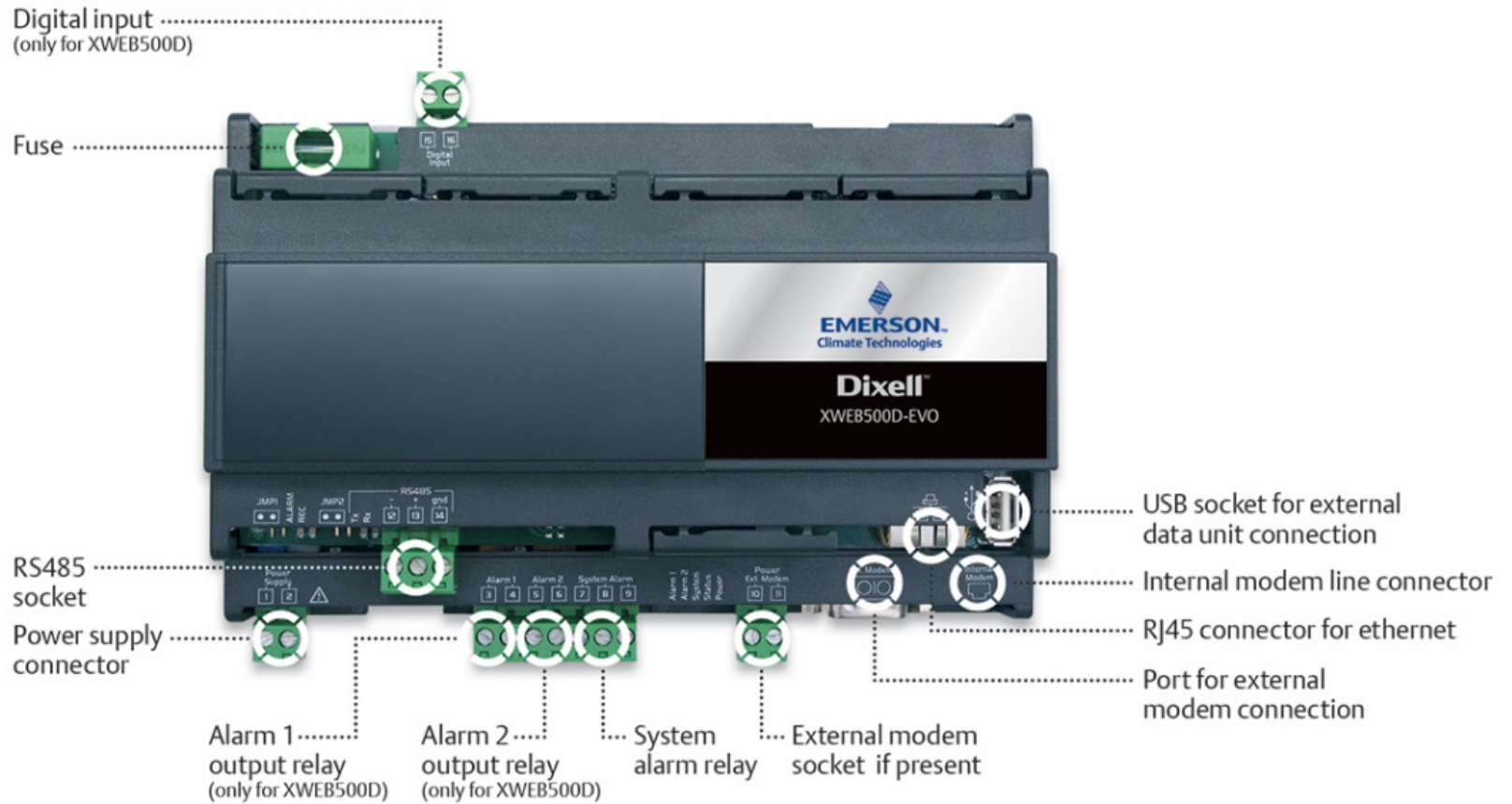
Features

- 10DIN Rail module **directly inside the machine board or wall mounting** with brackets (**XWEB500D EVO**)
- Up to **1 year temperature recording**
- Optimized controller values visualization via “**Single View**” and “**Overview**” functions
- Stand alone usage thanks to the **back lit LCD local display and keyboard (XWEB500 EVO)**
- Possibility to modify the parameters of the connected devices remotely
- Customizable web user interface (layout)
- **Performance meter** for cooling demand control
- **Automatic data export** to USB pen drive
- Easy plant management by means of the “**Scheduler**” to send commands according to a custom calendar
- Alarm notification via **SMS** or **e-mail**
- **HACCP report** print-out in pdf format
- **CRO** for compressor rack optimization



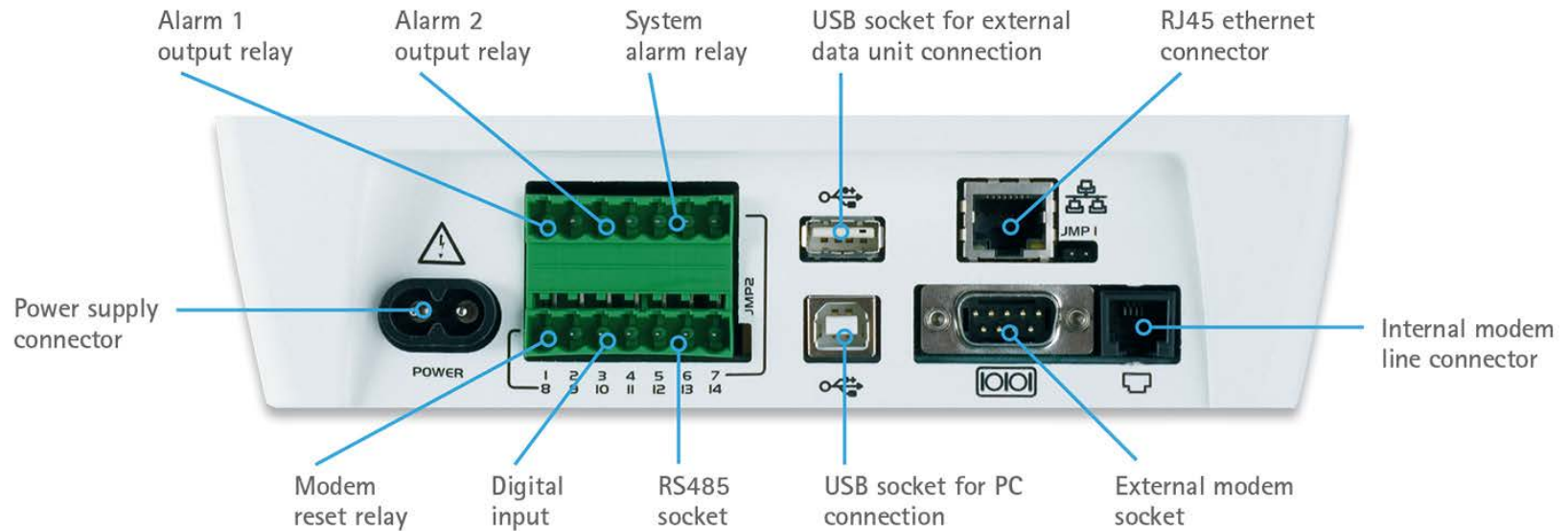
XWEB500D EVO & XWEB500 EVO

Interfaces



XWEB500D EVO & XWEB500 EVO

Interfaces



XWEB3000 EVO

Alarm management and controlling web server



Designed for larger installations up to 494 devices

- Restaurant chains
- Supermarkets
- Hypermarkets
- Large storage & distribution centers
- Production and storage goods processing



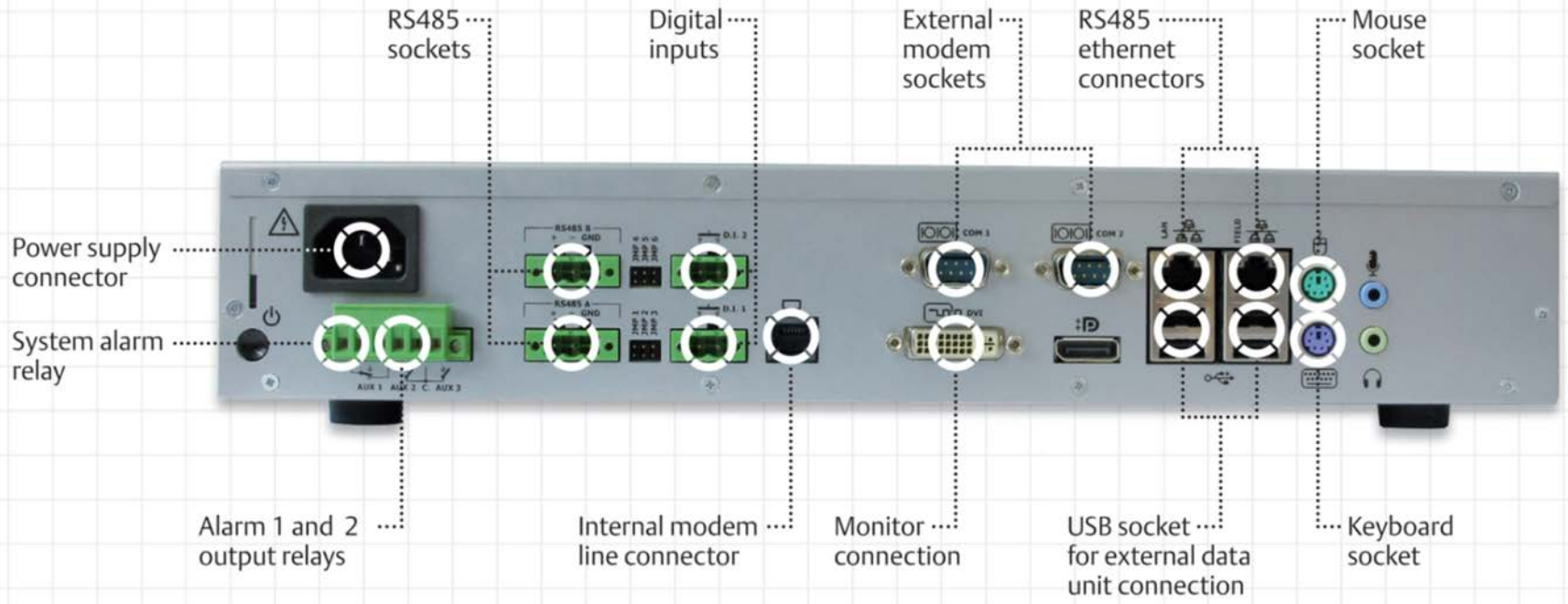
XWEB3000 EVO

Features

- 19" RACK or desk mounting
- Up to **1 year temperature recording**
- Optimized controller values visualization via "**Single View**" and "**Overview**" functions
- **Dual instrument network** to increase safety and total length (up to 2Km)
- Possibility to **modify the parameters** of the connected devices remotely
- Customizable **web user interface** (layout)
- **Performance meter** for cooling demand control
- Easy plant management by means of the "**Scheduler**" to send commands according to a custom calendar
- Alarm notification via **SMS** or **e-mail**
- **HACCP report** print-out in pdf format

XWEB3000 EVO

Interfaces



XWEB5000 EVO

Monitoring, controlling and supervisor web server



Designed for larger installations with up to 494 devices in the refrigeration, conditioning and building automation field

- Hypermarkets
- Large storage & distribution centers
- Production and storage goods processing
- Customer service centers



XWEB5000 EVO

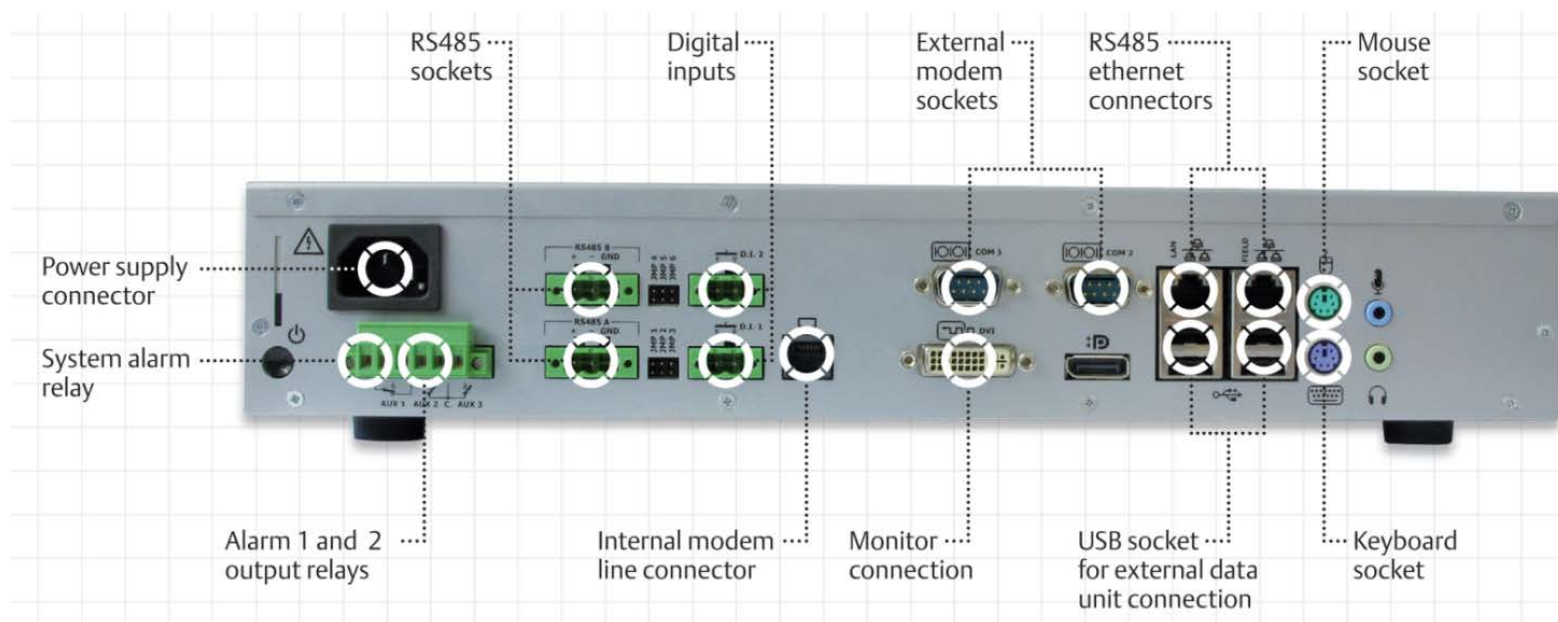
Features

- **19" RACK** or desk mounting
- Up to **1 year temperature recording**
- Optimized controller values visualization via "**Single View**", "**Run Time**" and "**Overview**" functions
- **Dual instrument network** to increase safety and total length (up to 2Km)
- Possibility to **modify the parameters** of the connected devices remotely
- **Customizable web user interface** (layout)
- **Performance meter** for cooling demand control
- Easy plant management by means of the "**Scheduler**" to send commands according to a custom calendar
- Alarm notification via **SMS** or **e-mail**
- **HACCP** report print-out in pdf format
- **Powerful supervising engine** with embedded editor and field simulator
- **CRO** for compressor rack optimization
- Dew point for **anti-sweat heater control**



XWEB5000 EVO

Interfaces



SUPERVISOR

It is possible to intervene sending commands to monitored units with algorithm made by the installer

XWEB EVO

Overview desktop

The screenshot displays the XWEB EVO overview desktop interface. The main area is a grid of device status indicators, each represented by a colored square (green for normal, red for alarm). The devices are categorized into NT UNITS, RACKS, ENERGY, LT UNITS, CELLS, and FROZENS CELL. A tooltip for the 'High Value Pb1' alarm shows details: RS2-003, New_XR70CX, Probe 1 18.4 °C, and High Value Pb1.

Active Alarms

Code	Device Name	Addr.	Name	Start
367	New_XR570C	RS2-002	Open Door	06/02/14 13:51:04
368	New_XR170C	RS2-005	Open Door	06/02/14 13:51:04
369	New_XR170C	RS2-007	Open Door	06/02/14 13:51:04
370	New_XR70CX	RS2-003	High Value Pb1	06/02/14 13:51:04

Shortcuts to main pages

Tools and configurations

Active alarms

Device info

Page 1 of 1 View 1 - 4 of 4

Logout Time: 13:51 Date: 06/02/2014

Rev: 1.0-QA2--c82c3e Desktop Menu

XWEB EVO

Graphs

The screenshot displays the XWEB EVO interface for a device named 'RS1-002 Meat cabinet'. The interface is divided into several sections:

- Device View:** A table showing real-time values for various parameters. A callout bubble points to this section with the text 'Values in real time'.

Name	Value
Analog (3)	
Defrost	-12.0 °C
Regulation	4.0 °C
setpoint	4.0 °C
State (3)	
OnOff	On
Setpoint (1)	
SetPoint_°C_dE	4.0 °C
Alarms (8)	
Inputs (2)	
Outputs (4)	
RLFan	On
- Graphs:** A line graph showing temperature fluctuations over time. A callout bubble points to this section with the text 'Single view with all the tools in one page'. A blue box labeled 'Graphs' is overlaid on the graph area.
- Commands:** A vertical list of control buttons. A callout bubble points to this section with the text 'Commands'.
 - Device ON
 - Device OFF
 - Start defrost
 - Alarm mute
 - Keyboard lock
 - Keyboard unlock
 - Light ON
 - Light OFF
- Performances:** A section showing performance metrics for the last 24 hours. A callout bubble points to this section with the text 'Performances'.

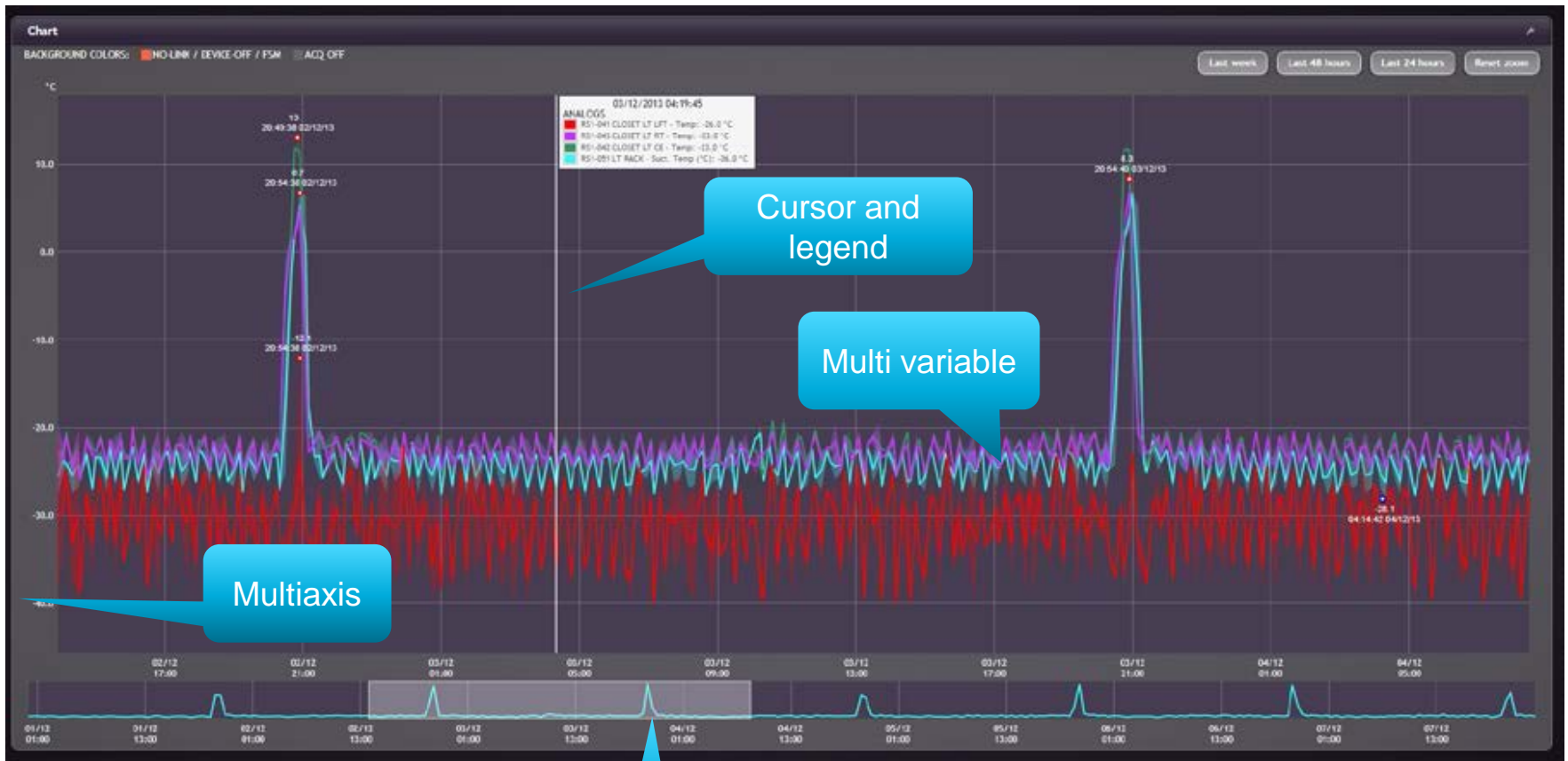
Performance	SetPoint	Avg	Min	Max	TDef	Cooling
100%	undefined °C	4.0 °C	4 °C		4 °C	0.0%

Legend: Low Alarm (blue), Temperature on target (green), Defrost (orange), High Alarm (red), Device OFF (grey). Acquisitions OFF.

The bottom status bar shows the time as 21:48 on 06/02/2017, a 'Logout' button, and system icons. The bottom right corner indicates the release version '4.1.0--f9ba7c' and navigation options for 'Desktop' and 'Menu'.

XWEB EVO

Graphs



Zoom

More than 1 Device

XWEB EVO

Alarms

The screenshot displays the XWEB EVO Alarms interface, which is divided into several sections:

- Snapshot dispositivo:** A table showing device parameters such as Evaporator (Pb2) at 0.00 °C, Room (Pb1) at 10.10 °C, and Set Point at 8.00 °C. It also lists various states like Defrost (Off), Energy Saving (Off), and Allarmi (11), with the Open Door state highlighted in red.
- Log Allarmi:** A table listing alarm events with columns for Codice, Dispositivo, Ind., Come, Categoria, Inizio, Fine, Durata, Terminato Da, Note, and NTF. A callout points to the first row, indicating "Alarm with complete reporting".
- Dettaglio Allarme:** A section for detailed alarm information, including a "Note" field with a "Nuova Nota" button and a "Notifiche" table listing notification details like Nome Ute, Data-Ora, Come, Media, Statc, and Livello.
- Grafico:** A line graph showing the alarm status over time.

Callouts in the image identify key features: "Device snapshot" points to the Snapshot dispositivo table; "Alarm with complete reporting" points to the first row of the Log Allarmi table; "Alarm notification" points to the Notifiche table; "User notes" points to the Note field in the Dettaglio Allarme section; and "Alarm graph" points to the Grafico section.

XWEB EVO

Layout

Maps and synoptic

Widget for useful customization

The screenshot displays the XWEB EVO interface, which is divided into two main sections: a floor plan map on the left and a control dashboard on the right.

Map and Synoptic: The floor plan map shows various rooms and zones. A callout box points to the map with the text "Maps and synoptic". A specific zone, "CLOSET LT CE", is highlighted with a green box showing "Set -18,0 °C" and "Temp: -18,5 °C". Other zones are labeled with their names and temperatures, such as "Room (PWF) Set Point..." and "Room 1001 14.4 °C".

Widget for useful customization: The control dashboard on the right features several widgets for temperature control and system management. A callout box points to this area with the text "Widget for useful customization".

- Four temperature control widgets for different rooms: "LT BACK - Cool Temp (°C)", "LT BACK - Heat Temp (°C)", "TR BACK - Cool Temp (°C)", and "TR BACK - Heat Temp (°C)". Each widget shows a gauge with a green needle and numerical values.
- Control buttons for "Lights OFF", "Lights ON", "Curtains UP", and "Curtains DOWN".
- An "ENERGY ANALYZER WM22" widget displaying power and energy consumption data:

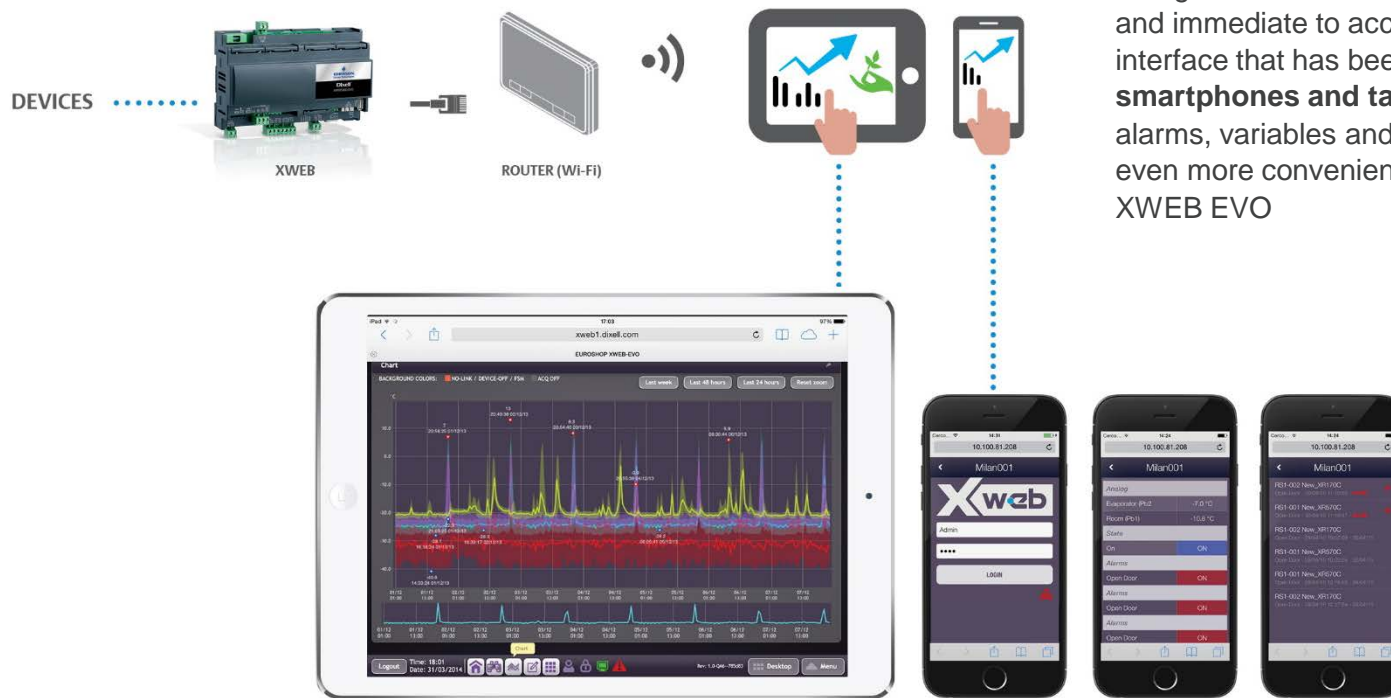
ENERGY ANALYZER WM22	
Act Power (15s)	2705.8 W (15s)
Enact (15s)	3426.8 VA (15s)
Total Active PW	2360.3 W (15s)

At the bottom of the dashboard, there is a "Click here for HACCP print" button. The interface also includes a footer with a "Logout" button, the time "Time: 12:06", the date "Date: 23/05/2014", and a navigation bar with icons for home, search, and other functions.

XWEB EVO

Connection via tablet

The user can access the revolutionary XWEB EVO user interface with tablets and smartphone



Using a common **Wi-Fi router**, it is simple and immediate to access the XWEB EVO interface that has been optimized for **smartphones and tablets**. Displaying alarms, variables and much more is now even more convenient and secure with XWEB EVO

XWEB EVO

HACCP print

The HACCP report is just **two clicks away**: the user needs to just input the period of the report. The report can also be sent via email, printed directly or saved as PDF file

H.A.C.C.P. printout										
WBELLUNO_EVO_NEWHW - XWEB EVO										
date: 06.02.14 time: 12.51 Sampling: 21.00 Selected interval: 30.01.14 12.46 - 06.02.14 12.46										
Legend:*=defrost, !=post defrost, SO=System OFF, #=unit OFF, X=offline, §=door open										
TIME TABLE:		30/01	31/01	01/02	02/02	03/02	03/02	04/02	05/02	06/02
		12:46	09:46	06:46	03:46	00:46	21:46	18:46	15:46	12:46
RS1-010 Murale latticini 1_SX	°C	0.6	0.0	!-0.6	0.4	2.7	*7.0	-1.8	!-1.8	-1.4
RS1-011 Murale latticini 2_SX_M	°C	-2.8	-0.2	!-1.9	2.6	3.0	*6.5	1.7	!0.4	0.4
RS1-012 Murale latticini 3_DX_S	°C	*7.8	-2.6	!-1.8	1.1	0.0	!0.8	2.2	2.4	*9.0
RS1-013 Murale latticini 4_DX_M	°C	*10.9	0.0	!2.0	2.1	1.3	!-1.3	1.3	0.8	*11.4
RS1-014 MURALE FV Pos 3M	°C	2.5	1.0	*9.9	0.6	!-2.2	-1.5	-0.9	!-0.4	3.3
RS1-015 Insalate 8M	°C	5.0	5.1	*11.6	4.4	5.6	1.8	2.6	!1.5	4.8
RS1-016 Pasticceria	°C	2.8	2.9	!3.4	1.5	3.5	1.6	2.4	!4.5	4.9
RS1-017 Gastronomia DX	°C	6.8	3.7	!6.8	4.0	4.4	3.6	6.3	!3.7	5.2
RS1-018 Gastronomia SX	°C	2.6	-0.3	!2.2	0.3	0.8	-2.0	2.0	!-2.4	-0.1
RS1-020 Take away Formaggi DX	°C	-4.3	-3.6	!-3.2	-1.0	-2.0	0.1	-1.6	!-5.0	1.0
RS1-021 Take away Formaggi SX	°C	4.1	-1.6	!0.1	-1.2	-0.7	3.4	0.6	!3.0	-0.5
RS1-024 BANCO CARNI Pos5	°C	0.0	1.7	!-0.2	1.1	1.7	2.2	2.0	!2.6	0.4
RS1-025 Take away carni SX	°C	-2.2	-0.3	-0.4	0.0	0.0	!-0.9	0.5	-4.6	-0.8
RS1-026 Take away carni SX	°C	-0.2	-3.8	0.1	-1.5	-0.6	!-5.6	-5.3	-5.2	-0.3
RS1-027 CELLA PESCE	°C	0.2	0.2	*5.3	-0.2	!3.1	*3.5	-0.2	-0.1	1.3
RS1-028 CELLA ORTOFRUTTA	°C	9.3	9.9	*8.8	9.1	9.3	*9.4	8.0	9.8	§10.4
RS1-029 CELLA POLLI	°C	2.6	2.6	!0.6	1.3	2.7	!2.2	0.3	2.8	1.4
RS1-030 CELLA CARNI	°C	1.7	-0.1	!7.0	X	X	!1.6	1.0	2.0	1.3
RS1-031 CELLA SURGELATI	°C	-19.5	-18.1	!-12.0	-20.3	-19.2	!-14.1	-19.7	-17.7	-18.1
RS1-041 Surgelati SX	°C	-26.3	-23.6	-22.0	-23.5	-27.1	!-22.7	-25.6	-26.0	-22.3
RS1-042 Surgelati CE	°C	-25.4	-23.2	-21.8	-23.8	-24.2	!-22.0	-25.2	-22.1	-21.7
RS1-043 Surgelati DX	°C	-24.1	-23.4	-21.0	-23.3	-23.9	!-22.2	-25.2	-21.6	-21.9
RS1-060 Isola latticini	°C	-0.1	2.8	*8.2	-0.5	3.1	3.1	0.1	!1.6	0.9
RS1-061 Isola latticini	°C	0.5	0.5	*9.6	1.5	0.4	1.2	1.6	!1.4	0.8
RS1-062 Isola latticini	°C	-0.2	1.8	*9.0	3.0	0.5	1.2	0.0	!1.2	0.2
RS1-063 Isola latticini	°C	1.7	3.6	*10.3	-0.4	1.1	4.1	0.2	!0.2	-0.1
RS1-064 Isola latticini	°C	0.6	2.5	*9.1	0.3	0.9	1.3	3.3	!0.7	1.2
RS1-065 Isola latticini	°C	0.8	0.4	*8.0	2.2	2.8	0.8	2.2	!0.9	0.6

XWEB EVO

Alarm notifications

Alarms are notified via email and SMS. The email may include a synthetic report on device status at the time of the alarm (temperature graph, set point etc.) for a better understanding of the operating status and to take the most appropriate decisions

System Name: Xweb EVO
Date/time: Fri Nov 27 08:46:38 2015
Alarm category name: Default
Level name: Notifica Aux2e3
From: XwebEVO@emerson.com
To: user@xxxxxxxxxxxx.com
Subject: Allarme

1 NEW ALARM(S)

Device XJM60D Cold room 2						A/RS1-006	Row
Alarm name		Started	Ended	Duration	Term.	Alarm Code	
2 High Value Pb2		27/11/2015 08:46:26				0000000262	1
<i>Probes:</i>		Room2: 24.00 °C					3
<i>Device Status:</i>		Energy Saving: Off		Keyboard: Off			
<i>Digital Input:</i>		Generic Digital Input7: Off		Generic Digital Input9: Off		Generic Digital Input8: Off	
<i>Device Outputs:</i>		Generic Digital Input11: Off		Generic Digital Input10: Off		Generic Digital Input12: Off	
<i>Device Outputs:</i>		Relay 2: Off					4
<p>The graph displays the temperature of Room2 in degrees Celsius over time. The y-axis ranges from 0.00 to 25.06. The x-axis shows dates from 25/11/15 22:21 to 27/11/15 06:57. A blue line represents the temperature, which remains stable at 24.00°C until 26/11/15 06:30, where it drops to a minimum of approximately 18.75°C. It then gradually returns to 24.00°C by 26/11/15 14:39 and remains stable until 27/11/15 06:57.</p>							

XWEB EVO

Local connections

XWEB EVO systems can all be connected directly to a PC via RJ45 cross cable

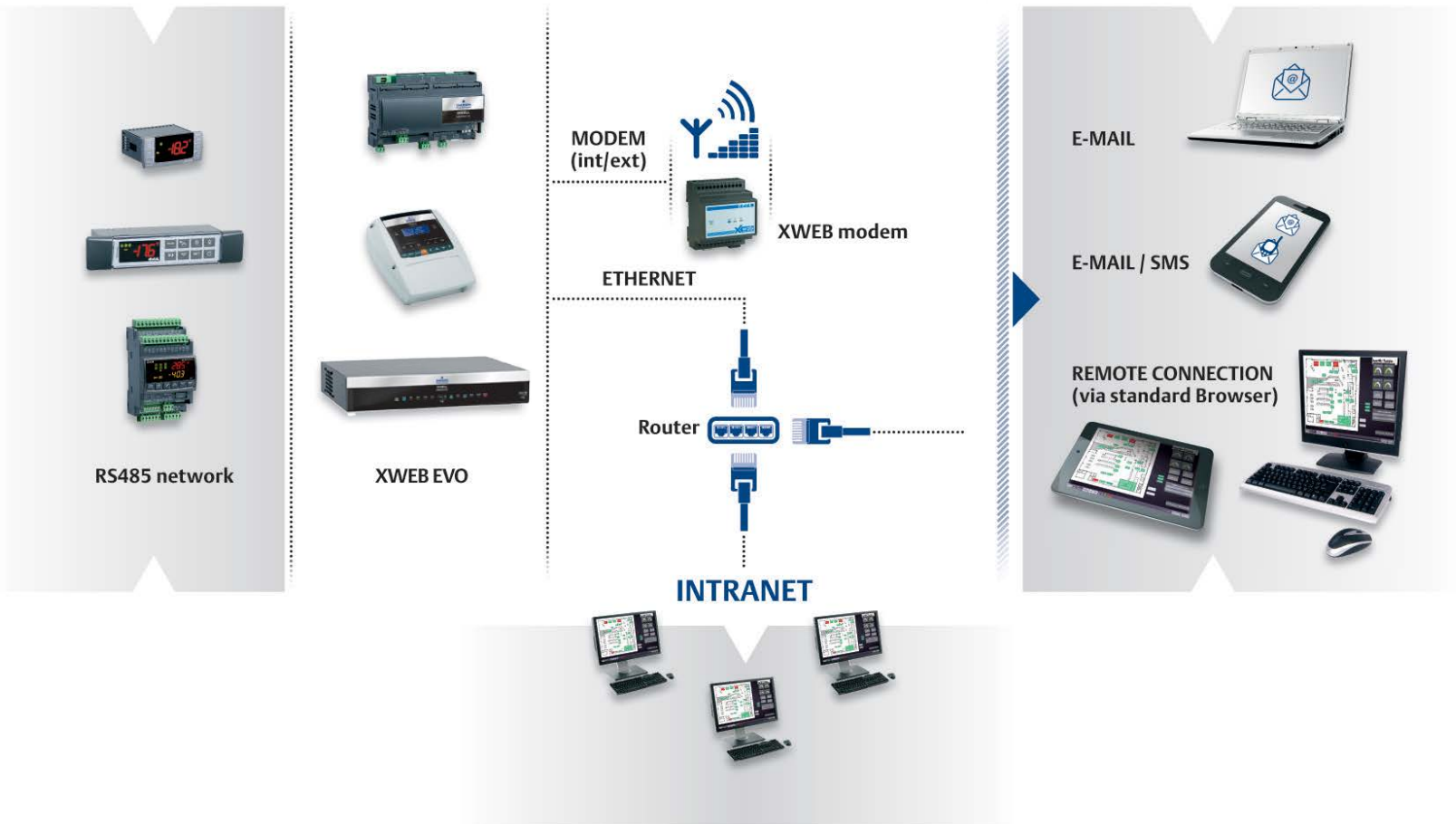


XWEB3000 EVO and XWEB5000 EVO can be used in stand-alone mode adding monitor, keyboard and mouse



XWEB EVO

Remote connections



XWEB EVO

Hardware features

	XWEB300D EVO	XWEB500D EVO	XWEB500 EVO	XWEB3000 EVO	XWEB5000 EVO
Applications	small and medium	medium and large	medium and large	large	large with supervision
Format	10 DIN Rail	10 DIN Rail	210x230x87h	350x235x47h	350x235x47h
Power supply	24Vac or 110÷230Vac	24Vac or 110÷230Vac	110Vac or 230Vac	110÷230Vac	110÷230Vac
Display			•		
N° of instruments	6-18	36-50-100	36-50-100	494	494
USB socket	1	1	1	6	6
Relay output	1	3	3	3	3
Digital input		1	1	2	2
Ethernet socket	1	1	1	2	2
RS485 socket	1	1	1	2	2
External modem	analogue or GSM	analogue or GSM	analogue or GSM	analogue	analogue
Internal modem	analogue	analogue	analogue	analogue	analogue

XWEB EVO

Functions

	XWEB300D EVO	XWEB500D EVO	XWEB500 EVO	XWEB3000 EVO	XWEB5000 EVO
RS485 line check	•	•	•	•	•
Parameter programming	•	•	•	•	•
Overview home page	•	•	•	•	•
Device view	•	•	•	•	•
Fast Sampling Mode	•	•	•	•	•
Charts	•	•	•	•	•
Data Export in Excel®	•	•	•	•	•
Circular graphics (6h - high resolution charts)	•	•	•	•	•
Real time graphics	•	•	•	•	•
System logs	•	•	•	•	•
User setup	•	•	•	•	•
Device setup	•	•	•	•	•
System setup	•	•	•	•	•
Calendar setup	•	•	•	•	•
System update	•	•	•	•	•
Alarm setup	•	•	•	•	•
XCENTER	•	•	•	•	•
Backup/Restore	•	•	•	•	•
Runtime	•	•	•	•	•

XWEB EVO

Functions

	XWEB300D EVO	XWEB500D EVO	XWEB500 EVO	XWEB3000 EVO	XWEB5000 EVO
Data log status	•	•	•	•	•
Daily export module	•	•	•	•	•
Language manager	•	•	•	•	•
HACCP report		•	•	•	•
Layout		•	•	•	•
Global commands		•	•	•	•
Alarms on XJR40D module		•	•	•	•
Scheduler		•	•	•	•
CRO module		•	•		•
Performance meter		•	•	•	•
Local print function				•	•
Dew point module					•
Supervision module					•

THANK YOU!

Dixell reserves the right to alter its products without notice. All rights reserved.
Because environmental conditions are outside of Dixell's control, we cannot assume liability for results obtained or any damages which may occur due to improper application.