

CRISTAL

Jasper

User Manual

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Table of Contents

1	Overview	5
1.1	Main features	5
2	Introduction	6
3	Performing basic tasks in Jasper	7
3.1	Signing on to Jasper	7
3.2	User Menu configuration	8
3.2.1	Configuring menus per user and per permission	9
3.3	Menu page configuration	10
3.4	Configuring the load shedder	11
3.4.1	Actual Power	12
3.4.2	Active Steps.....	12
3.4.3	Power Setpoint	12
3.4.4	Load Shedder Mode	12
3.4.5	Status Bar.....	12
3.4.6	Load Shedder Graph Report	13
3.4.7	HVAC Mode Outside Temperature Adjustment	13
3.5	Generating energy management logs for the preceding 24 hours	14
3.6	Checking and adjusting thermostats	14
3.6.1	Floor	15
3.6.2	Zone	15
3.6.3	Thermostat	15
3.6.4	Temp	17
3.6.5	Setpoint Heat.....	17
3.6.6	Setpoint Cool	17
3.6.7	Moon icon	17
3.6.8	Output.....	18
3.6.9	Magnifying glass	18
3.6.10	Check box.....	18
3.7	Adjusting settings for customized floor plans	18
3.7.1	Digital.....	19
3.7.2	Analog	20
3.7.3	Slider	21
3.7.4	On / Off.....	21
3.7.5	Input Text.....	24
3.7.6	Input Color	25

3.7.7	Card.....	26
3.7.8	Simple button.....	26
3.7.9	Link.....	26
3.7.10	Text.....	26
3.7.11	Polygon.....	27
3.7.12	Adjusting lighting areas using mobile devices	29
3.8	Viewing lighting statistics	30
3.8.1	Sort the list by the values of a specific column	30
3.8.2	Reset the value of a set of lighting fixtures	30
3.8.3	Modify several rows at once	31
3.8.4	Modify all rows in this list	31
3.8.5	Find specific sets of lighting fixtures	31
3.9	Browsing and modifying variables.....	31
3.9.1	Add	32
3.9.2	Off and On	32
3.9.3	Text field and Set.....	32
3.9.4	Search field.....	32
3.9.5	Checkbox.....	32
3.9.6	Red "X"	32
3.9.7	Name.....	32
3.9.8	Value	32
3.9.9	Time.....	33
3.9.10	Symbols column	33
3.9.11	Adding variables	33
3.9.12	Live variable graph	34
3.10	Browsing controller cards.....	35
3.11	Viewing CCLP-BACnet lighting panels	36
3.12	Viewing alarm history.....	38
3.12.1	Browsing alarm history information.....	38
3.12.2	Managing alarm history information.....	39
3.12.3	Setting web browser notifications	39
3.13	Viewing variable dependencies.....	40
3.13.1	System Dependency Graph.....	40
3.13.2	Dependency Graph	42
4	Configuring Jasper.....	45
4.1	Configuring the scheduler	45
4.1.1	Schedules.....	45

4.1.2	Days	45
4.1.3	Exceptions	45
4.1.4	Setting the weekly schedule	45
4.1.5	Setting the daily schedule	48
4.1.6	Setting up daily events.....	49
4.1.7	Setting “typical days” with sunrise and sunset events	51
4.2	Setting geographical coordinates.....	53
4.3	Creating calendars.....	54
4.3.1	Managing calendars	56
4.3.2	Managing dates	57
4.3.3	Date types	58
4.3.4	Setting schedule exceptions	61
4.3.5	Creating schedule exceptions.....	63
4.4	Configuring RGB settings	63
5	Generating reports	65
5.1	Report presets	66
5.2	Report formats	66
5.2.1	Graph.....	66
5.2.2	HTML.....	66
5.2.3	Text.....	67
5.2.4	XML	67
5.2.5	Event	67
5.3	Sample Jasper reports.....	68
6	Legal Notice	70

1 Overview

Jasper is the all-in-one, web-based lighting and energy control software from Cristal Controls. The Jasper master controller is used to observe and control equipment on a BACnet communication network, performing tasks such as sending scheduled events and energy peak control. With proper network configuration, the Jasper system can be accessed from anywhere over the Internet.

Lights and equipment can be controlled from a computer or from iPhone, iPad, and Android phones and tablets. Through a user-friendly web interface, users can reprogram and modify schedules as well as rename and group relays.

Compatible technologies: BACnet, DALI, DMX, EnOcean, XBee, and 0-10 Vdc.

1.1 Main features

- Weekly schedules and unlimited events
- Circadian rhythm
- Tunable white temperature control
- Astronomical clock
- Groups
- Energy peak demand control
- HTML5 graphics, web tables (HTML), and CSV and XML file exports
- Real and calculated consumption readings
- Internal alarm management
- Instant or periodic email notifications (for example, daily)
- BACnet writing (for example, to control a relay)
- Alarms classified into four types: hardware, software, security, and supervised readings
- [Tailscale](#) remote access

2 Introduction

Jasper is a control system used to communicate with BACnet devices. Jasper also enables communications over other protocols like DALI, DMX-512 and EnOcean using gateways from Cristal Controls.

Using Jasper, people responsible for the performance of components connected to building automation systems (like lighting control systems and energy management systems) can:

- execute tasks
- send schedules
- log events
- perform energy management, HVAC and lighting control tasks
- display a custom user interface

3 Performing basic tasks in Jasper

You can work with your Jasper controller using a web browser on a device connected to the same network as the controller. Using Jasper, you can both view the status of and configure your systems.

3.1 Signing on to Jasper

To access your Jasper controller, follow these steps:

1. In the browser address bar, type <http://192.168.2.60>. (If the installer changed this address, use the new address instead.)

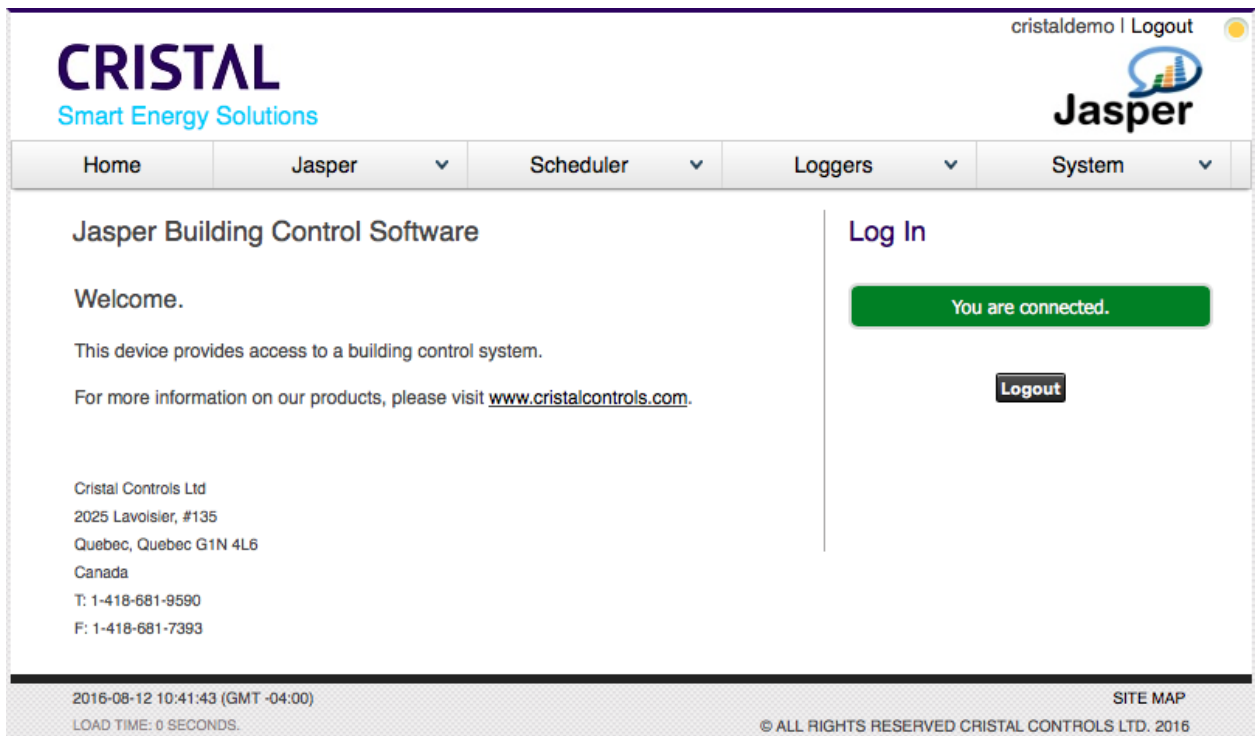
A dialog box like the one below appears requesting your user name and password.

The screenshot shows the login interface for the CRISTAL Jasper Building Control Software. The page has a purple header with the CRISTAL logo and 'Smart Energy Solutions' text. A navigation bar contains links for Home, Jasper, Scheduler, Loggers, and System. The main content area is divided into two sections. The left section, titled 'Jasper Building Control Software', includes a 'Welcome.' message, a statement that the device provides access to a building control system, and a link to 'www.cristalcontrols.com' for more information. It also lists contact details for Cristal Controls Ltd. The right section, titled 'Log In', contains input fields for 'Username' and 'Password', and a 'Log In' button. The footer displays the date and time (2016-08-14 17:46:11 GMT -04:00), the load time (0 SECONDS), a 'SITE MAP' link, and a copyright notice for CRISTAL CONTROLS LTD. 2016.

2. Type the default user name **root** and default password **cristal**.

A Jasper welcome page like the one below appears. You may have a personalized welcome page and menus.

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Note: The most recent versions of Mozilla Firefox, Google Chrome, Microsoft Edge or Apple Safari allow access to all features in Jasper. Jasper also works with Internet Explorer 11 or newer, but Explorer does not provide access to all Jasper features and graphic elements may not always render correctly.

3.2 User Menu configuration

This page is used to configure the home page and menu. Each section represents a menu tab and is displayed in order of addition. A section may have one or more sub-sections representing its options. Section 1 is dedicated to the home page.

To set up a section or sub-section, enter its name in the “Text” field and, if applicable, a link to the corresponding web page. Use the buttons to add or delete a section or sub-section.

User Menu

User Menu Configuration

Menu to configure: ? Global (default) ▼

The Section 1 corresponds to the home page. ?

Save

Section 1

Text : Home

Link : floorplan_view.php

Add subsection +

Delete section ×

↑

↓

Section 2

Text : Schedule

Link : /user/scheduler_config.php

Add subsection +

Delete section ×

↑

↓

Subsection 1

Text : Horaire

Link : /user/scheduler_config.php

Delete subsection ×

↑

↓

Subsection 2

Text : Calendar

Link : /user/calendar_config.php

Delete subsection ×

↑

↓

3.2.1 Configuring menus per user and per permission

You can build several menus and choose which users see them. The **Menu to configure**: selector at the top of the page controls which menu you are editing:

- **Global (default)**: the menu used when no more specific menu applies.

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9

- **By permissions:** a menu for a user permission level.
- **By user:** a menu for a specific user.

When a user opens the interface, Jasper resolves the menu in this order: the menu dedicated to the user first, then the menu for the permissions of the user, and finally the Global menu. A selection with no dedicated menu inherits the next available level.

To remove the menu for the current selection, click the button **Delete this menu**.

3.3 Menu page configuration

This page allows you to hide / disable one or more menu pages. The menu is made up of several sections. Each section may contain one or more sub-sections. Menu pages are grouped into sub-sections. A page is identified by its name and link.

By default, all menu pages are displayed (checkbox enabled). To hide/deactivate a page, simply uncheck it in the list using the checkbox in the last column.

Menu Configuration

List of pages

Uncheck a link to remove it from the menu.

Save

Section	Subsection	Page	Link	☐
Data	Configuration	Dataserver	/jasper/dataserver_config.php	☐
		BACnet	/jasper/bacnet_config.php	☑
		BACnet Objects	/jasper/bacnetobjects_config.php	☑
		Start/Stop Services	/jasper/jasper_process.php	☐
	Cards	Browse	/jasper/cards_browse.php	☑
		Configuration / Delete	/jasper/card_edit.php	☑
		Add	/jasper/card_templates.php	☑
		BACnet Discovery	/jasper/bacnet_dataserver_discovery.php	☐
	Variables	Browse	/jasper/variables.php	☐
		Variables Updates	/jasper/update_config.php	☑
		Configuration	/jasper/variables_config.php	☑
		Groups	/jasper/groups_config.php	☑
		Translators	/jasper/translators.php	☑
		Binding	/jasper/binding.php	☑
		Scene Translators	/jasper/scenetranslators.php	☑
		Scene controllers	/jasper/dali_group_scene.php	☑
		Configuration RGB	/jasper/rgb_config.php	☑
		Configuration Light Control	/jasper/lightcontrol_config.php	☑

3.4 Configuring the load shedder

This web page:

- shows the load shedder power setting and the power setpoint.
- enables changes to the power setpoint and other load shedder settings.

To access these settings:

1. Open the **Jasper** menu.
2. Select **Load Shedder, Display**.

Load Shedder	
Actual Power	1112
Active Steps	23 / 23
Power Setpoint	1500 Write
Load Shedder Mode	Normal
	
Load Shedder Graph Report	
HVAC Mode Outside Temperature Adjustment	

The page shows one section per load shedder, with the name of the load shedder as its title. Click the name to show only this load shedder. If you can access the load shedder configuration page, a **Configuration** button next to the name opens the configuration of this load shedder.

3.4.1 Actual Power

Shows the actual power as read on the network. This value is updated at regular intervals. If a Power Unit is configured for the load shedder, the unit (W or kW) is shown after Actual Power, Power Setpoint and Effective Power Setpoint.

3.4.2 Active Steps

Shows the load shedder's number of active stages. This value is updated at regular intervals. The above example shows "23/23" which means 100% of the loads are on. "0/23" would indicate 100% of the loads are off when load shedding is in operation.

3.4.3 Power Setpoint

When the actual power reading increases higher than this value, the shedding algorithm reduces electrical consumption.

You can modify this value by typing a new value in the text field and clicking the **Write** button. This value is updated only when opening the web page.

3.4.4 Load Shedder Mode

Indicates whether the load shedder is in "generator mode" or "Normal" mode.

3.4.5 Status Bar

Indicates load shedding state.



When red, the actual power reading is higher than the power setpoint and load shedding is active.



When green, the actual power reading is lower than the power setpoint, load shedding is inactive and the system is operating normally.



When yellow, the actual power reading matches the setpoint.

3.4.6 Load Shedder Graph Report

See Generating energy management logs for the preceding 24 hours below.

3.4.7 HVAC Mode Outside Temperature Adjustment

Enables HVAC mode configuration for Cristal Controls thermostats according to outdoor temperature.

HVAC Mode Outside Temperature Adjustment

Cool: °C ?

Off ?

Heat: °C ?

Save

When the outdoor temperature is higher than the “Cool” value, the thermostats are in cool mode. When the outdoor air is below the “Heat” value, the thermostats are in heat mode.

To enable this configuration, set the value translator **LOAD_SHEDDER_HVAC_MODE** in the configuration file.

You will also need a binding using this rule between your outdoor temperature and the HVAC mode on your thermostats.

3.5 Generating energy management logs for the preceding 24 hours

When you click the **Load Shedder Graph Report** button shown, a graph appears. This graph shows:

- energy usage during the preceding 24 hours
- setpoint
- number of active loads

See the example below.



You can use the graph to set a **Begin Time** and **End Time** by moving your mouse pointer over the portion of the graph that you want to change and clicking that area.

3.6 Checking and adjusting thermostats

This page shows thermostat states. You can modify certain parameters from this page.

To access this page, open the **Jasper** menu and select **Thermostats CCTHV407** or **Thermostats CCTHV4-LS**.

A list of thermostats that resembles the list shown below appears.

Thermostats /

Global Configuration

Floor	Zone	Thermostat	Temp.	Setpoint Heat	Setpoint Cool		Output		
<u>Cristal</u>	<u>Avant</u>	<u>Bureau Porte Avant</u>	22.8	24.0			50.0%		
		<u>Bureau Pierre Chaput</u>	23.5	23.5			0%		
		<u>AC Avant</u>	23.1	23.0	24.0		50.0%		
	<u>Service</u>	<u>AC Service</u>	21.8		22.5		0%		
	<u>Montage</u>	<u>AC Montage</u>	22.5	22.5	23.5		0%		
	<u>Entrepot</u>	<u>Entrepot</u>	21.8	21.5			0%		
<u>DimOnOff</u>	<u>R&D</u>	<u>DimOnOff Tech</u>	22.9	23.5			100.0%		
		<u>DimOnOff Service</u>	24.6	18.0			0%		
	<u>Administration</u>	<u>DimOnOff Daniel</u>	22.8	22.5			0%		
		<u>DimOnOff Bernard</u>	22.1	22.5			100.0%		

3.6.1 Floor

Indicates the floor names.

Click a specific floor name and the corresponding floor appears on a new page.

3.6.2 Zone

Indicates zone names on each floor.

Click a specific zone and the corresponding zone appears on a new page.

3.6.3 Thermostat

Indicates thermostat names. When you click a specific thermostat's name, a dialog box enabling configuration of that thermostat appears. The dialog box contains two tabs: **Basic** and **Advanced**.

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AC Avant

Basic

Advanced

Basic configuration

Temp. 23.9

Setpoint Heat 22.0

Setpoint Cool 24.5

HVAC Mode Auto

Save

The screenshot shows a window titled "AC Avant" with a red close button in the top right corner. Inside the window, there are two tabs: "Basic" and "Advanced". The "Advanced" tab is selected, and it contains a section titled "Advanced configuration". This section has four input fields: "Setpoint Heat Unoccupied" with a value of "-1.0", "Setpoint Cool Unoccupied" with a value of "-1.0", "Maximum User Setpoint" with a value of "25.0", and "Minimum User Setpoint" with a value of "22.0". A "Save" button is located at the bottom right of the "Advanced configuration" section.

If you change a setting, click the **Save** button to have it take effect.

3.6.4 Temp

Indicates the actual temperature of the room.

3.6.5 Setpoint Heat

Indicates the desired heating setpoint of the room.

3.6.6 Setpoint Cool

Indicates the desired thermostat's cooling setpoint.

3.6.7 Moon icon

Indicates the thermostat's occupancy status.

- A moon icon indicates "unoccupied" mode.
- A sun icon indicates "occupied" mode.

If you click this icon and you have "view edit" or higher access rights, a new window opens showing the occupancy schedule.

3.6.8 Output

Indicates the output state of the thermostat.

- A red bar indicates the heating output percentage.
- A blue bar indicates the cooling percentage.
- A gray background indicates the limit percentage used by the thermostat for heating or cooling.
- Any background **white** portion indicates load shedding. This white portion reduces the length of the gray bar starting from the right. The length of the gray bar represents the reduced maximum output during load shedding.

3.6.9 Magnifying glass

Indicates the thermostat status. When the magnifying glass appears, the web interface is updating its values. A yellow exclamation mark indicates that Jasper is not communicating with the thermostat. If you place the mouse over icons that appear in this column, more information appears.

3.6.10 Check box

Lets you select several thermostats to configure at once. After you place check marks in the boxes for thermostats you want to configure, click the **Global Configuration** link and the thermostat configuration dialog opens. For more information on this dialog, see [Checking and adjusting thermostats](#).

Once you change parameters and click **Save**, the new configuration will be sent to every thermostat with a selected check box.

3.7 Adjusting settings for customized floor plans

Each customized floor plan displays controls.

To access floor plans and their controls, open the **Jasper** menu, select **Floor Plan**, then select the floor plan that you want to control. The images that appear, contain elements that you can control by clicking your mouse on them.

Consider these examples.



The following control types are available: Digital, Analog, Slider, On / Off, Input Text, Input Color, Card, Simple, Link and Text.

When the control is **Offline**, either:

- there is a communication problem.
- the control value may not be initialized.

When the control is in **Error**, there is a hardware problem.

3.7.1 Digital

Display an On / Off type value. Click on left for OFF or on right for ON.

Cristal Default

- On
- Off
- Offline
- Error

Cristal Light Blue

- On

CRISTAL

- Off 
- Offline 
- Error 

Cristal Dark Blue

- On 
- Off 
- Offline 
- Error 

Cristal Yellow Light

- On 
- Off 
- Offline 
- Error 

3.7.2 Analog

Display a value with a 0-100% range.

Cristal Default

- On 
- Off 
- Offline 
- Error 

Cristal Dark Blue

CRISTAL

- On 
- Off 
- Offline 
- Error 

Cristal Yellow Light

- On 
- Off 
- Offline 
- Error 

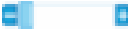
3.7.3 Slider

Display a value with a 0-100% range.

Cristal Dark Blue

- On 
- Off 
- Offline 
- Error 

Cristal Light Blue

- On 
- Off 
- Offline 
- Error 

3.7.4 On / Off

Toggle an On / Off type value. Click to toggle the status.

Cristal Default

- On 

CRISTAL

- Off 
- Offline 
- Error 

Light Bulb

- On 
- Off 
- Offline 
- Error 

Occupancy Sensor

- On 
- Off 

- Offline 

- Error 

Toggle

- On 

- Off 

- Offline 

- Error 

Occupancy Man

- On 

- Off 

- Offline 

- Error 

Sun / Moon

CRISTAL

- On 
- Off 
- Offline 
- Error 

3.7.5 *Input Text*

Display a numeric value.

Cristal Default

- On 
- Off 
- Error 

Transparent

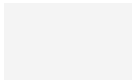
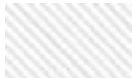
- On 
- Off 
- Error 

Lighting Background

CRISTAL

- On 
- Off 
- Error 

Yellow Light Background

- On 
- Off 
- Error 

3.7.6 Input Color

You can set specific colours using RGB settings. Click the colour in the dot to activate a dialog box that enables you to set a new colour. The colour of the lighting device is the same colour you see in this dot.

Normal

- 
- 
- 

Offline

- 

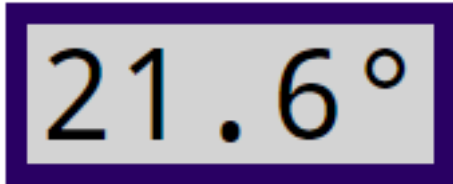
Error

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3.7.7 Card

The card contains the temperature control for the Cristal CCTHV-407 Thermostat.



3.7.8 Simple button

When you click a button that contains a certain setting, you write that setting to the lighting device.



3.7.9 Link

HTML link button to open a new web page.



3.7.10 Text

Fixed text label.

Text

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3.7.11 Polygon

The Polygon control lets you add any shape to the floor plan. It can be used to define or identify a space or room on the floor plan. If a Polygon control is associated with a BACnet variable or object, its appearance changes according to the value of the latter.

Default Cristal

- Off 
- On 
- Offline 
- Error 

Cristal dark blue

- Off 
- On 
- Offline 
- Error 

Cristal orange

- Off 
- On 
- Offline 
- Error 

CRISTAL

Cristal light blue

- Off 
- On 
- Offline 
- Error 

Cristal yellow light

- Off 
- On 
- Offline 
- Error 

3.7.12 Adjusting lighting areas using mobile devices



You can use this web page on a mobile device's web browser (this is not an application) to view and control a personal lighting area. The mobile device and Jasper must be on the same network.

You can change the lighting in several ways:

- using the + and - buttons
- using the "on / off" button
- rotating the cursor
- touching the number and entering a new number

3.8 Viewing lighting statistics

This page shows lighting statistics for control sets on a floor plan. Each control set could consist of one lighting fixture or several fixtures connected to a single relay.

Lighting Statistics

Filter

☐ Lighting	Operating Time	Updated	Since	Reset
☐ Storage	742h 54m 19s	2013-01-23 11:18:09	2012-07-09 13:38:13	Reset
☐ Tech	557h 13m 37s	2013-01-15 09:14:55	2012-07-09 13:38:13	Reset
☐ Vendors	376h 15m 10s	2013-01-17 18:15:50	2012-07-09 14:56:02	Reset
☐ Visitors	415h 4m 5s	2013-01-15 09:14:54	2012-07-09 13:38:13	Reset
☐ WC Men	271h 25m 52s	2013-01-03 15:57:06	2012-07-09 13:38:13	Reset
☐ WC Women	413h 50m 58s	2013-01-03 15:57:06	2012-07-09 13:38:13	Reset
☐ Western Corridor	272h 7m 43s	2013-01-03 15:57:07	2012-07-09 13:38:13	Reset

There are several ways to use this page.

3.8.1 Sort the list by the values of a specific column

Click the header for that column.

3.8.2 Reset the value of a set of lighting fixtures

Click the **Reset** button to:

- set the time in the **Operating Time** column to zero
- adjust the date in the **Since** column

3.8.3 Modify several rows at once

Click the check boxes to the left of the rows you want to change, then make the desired change.

3.8.4 Modify all rows in this list

Click the top check box (the one next to the word **Lighting** in the image above). All rows are selected and ready to be modified.

3.8.5 Find specific sets of lighting fixtures

Type any part of the name of a group in the text box at the top of this screen, then click the **Filter** button.

3.9 Browsing and modifying variables

This window:

- shows variables and their values in the Jasper DataServer, BACnet objects, and groups
- can be used to determine and modify variable values

To access this screen, open the **Data** menu and select **Variables, Browse**.

Variables

Add		Set	Off	On
☐ X Name	Value	Time		
☐ X 2025 AC RD / SETPOINT MAX	23.000000	2016-08-11 12:30:32		
☐ X 2025 AC RD / TEMPERATURE REM	327.600006	2016-08-11 12:30:32		
☐ X LS Relay 01	0	2016-08-11 15:34:39		
☐ X CC-Clock Conference / PHOTOCELL	0.000000	0000-00-00 00:00:00		
☐ X Relay #27	1	2016-08-11 15:28:19		

You can view and configure variables in this screen using the:

- controls at the top of the screen.

- table of variables below the controls.

3.9.1 *Add*

Use this button to add a variable to the list. See Adding variables.

3.9.2 *Off and On*

Use these buttons to determine whether the variables with a check mark in their checkboxes are turned on or off.

Jasper uses both binary and analog variables. Clicking the **Off** button sets the values of both to zero (0). Clicking the **On** button sets the value of:

- binary variables to 1
- analog variables to 100

3.9.3 *Text field and Set*

Enter a value for the selected variable(s) in the list at the bottom of the page, then click the **Set** button. The **Off** and **On** buttons are shortcuts to the binary values 0 (**Off**) and 1 (**On**, binary variable) or the analog value 100 (**On**).

3.9.4 *Search field*

Enter text that forms part of the name of the variable you seek. Jasper displays variables whose names include your search text and excludes variables whose names do not include that text.

Each row in the list contains information for one variable.

3.9.5 *Checkbox*

Selects variable(s) to be modified. You can select more than one variable for a given change.

3.9.6 *Red “X”*

Lets you discard the variable.

3.9.7 *Name*

Variable name.

3.9.8 *Value*

Current value of the variable in Jasper.

3.9.9 Time

Last time this variable was modified.

3.9.10 Symbols column

Displays the update status:

- A magnifying glass indicates the value read by Jasper.
- A yellow question mark indicates a variable whose value has not been read for a certain period of time and may be outdated.
- A pink exclamation mark serves as an alert for issues like a burnt-out bulb or a defective relay.
- A clock indicates a variable Jasper polls (reads) regularly.
- A door with an arrow indicates the device is sending updated values to Jasper.

3.9.11 Adding variables

The **Add** button (in the top left corner of the image) lets you add variables to the system.

To add a variable, follow these steps.

1. In the **Variables** screen, click the **Add** button.

The **Add variables** dialog appears.

Add variables

Search:

- LS-SLAVE-1 / REM TEMPERATURE
- Lecture Puissance
- LS Relay 01
- LS Relay 02
- LS Relay 03
- LS Relay 04
- LS Relay 05
- LS Relay 06
- LS Relay 07**
- LS Relay 08
- CCLP-1664 DEMO / RELAY CMD 01
- CCLP-1664 DEMO / RELAY FB 01
- CCLP-1664 DEMO / RELAY FB 01 / Reliability
- CCLP-1664 DEMO / RELAY CMD 02
- CCLP-1664 DEMO / RELAY FB 02
- CCLP-1664 DEMO / RELAY FB 02 / Reliability
- CCLP-1664 DEMO / RELAY CMD 03
- CCLP-1664 DEMO / RELAY FB 03
- CCLP-1664 DEMO / RELAY FB 03 / Reliability
- CCLP-1664 DEMO / RELAY CMD 04
- CCLP-1664 DEMO / RELAY FB 04
- CCLP-1664 DEMO / RELAY FB 04 / Reliability

Add or **Cancel**

2. Select the variable(s) you want to add, then click the **Add** button.

The Add variables dialog closes and the variable(s) you chose appears in the Variables list.

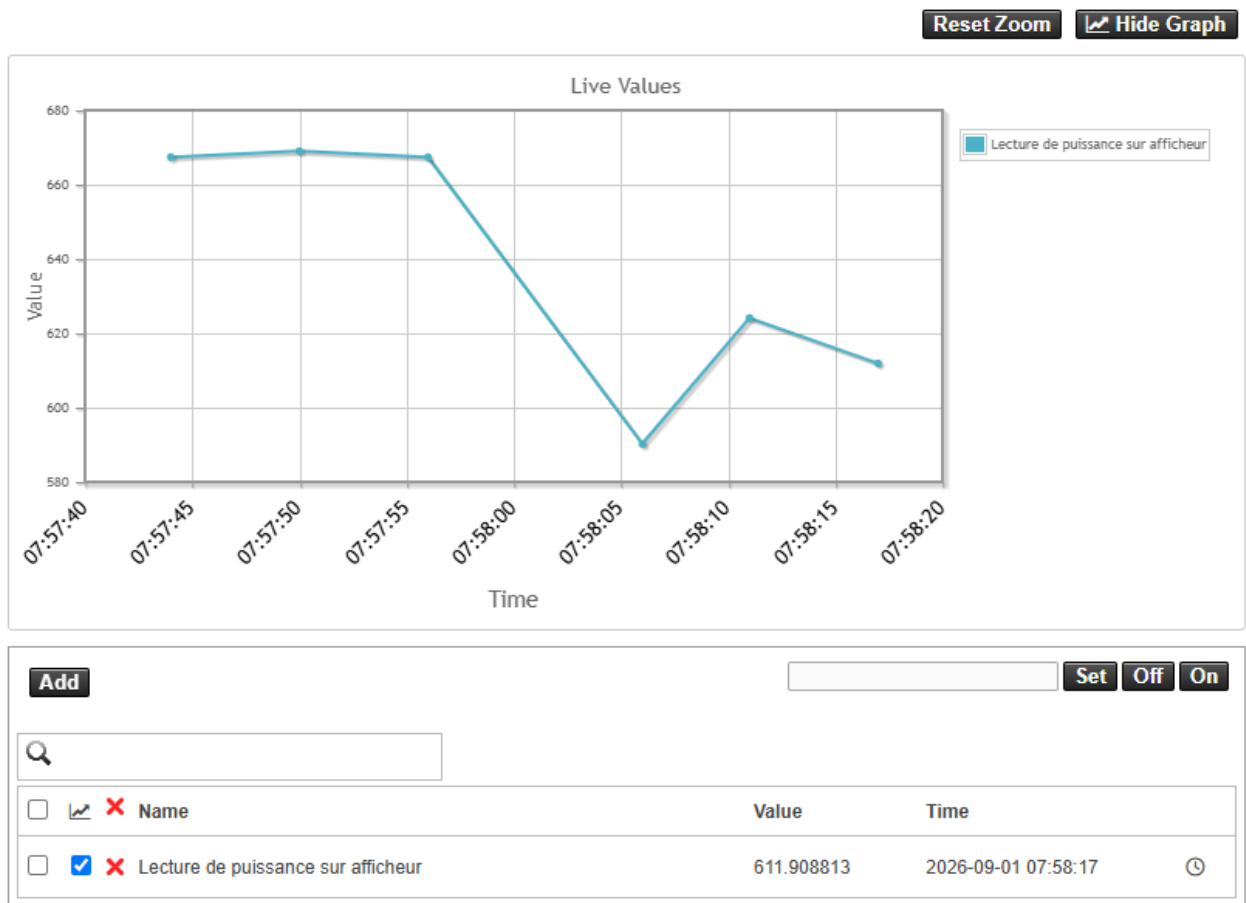
3.9.12 Live variable graph

The **Graph** column (marked with a line chart icon) lets you plot the live values of one or more variables on a real-time chart. This is useful to watch how values change over time.

To use the live variable graph, follow these steps.

1. In the **Variables** list, select the **Graph** checkbox for each variable you want to plot.
2. Click the **Show Graph** button above the table. The chart appears and displays the live values of the selected variables. Click **Hide Graph** to collapse the chart again.

Variables



The chart shows the last 15 minutes of data, with time along the horizontal axis and the variable value along the vertical axis. Each variable is drawn in its own color.

While the chart is open, you can:

- point at a data point to see its time and value.
- drag across the chart to zoom into a time range, then click the **Reset Zoom** button to return to the full view.
- clear the **Graph** checkbox of a variable to remove its line from the chart.

3.10 Browsing controller cards

This screen shows controllers (i.e. cards) configured in Jasper's Data Server.

To access this screen, open the **Data** menu and select **Cards, Browse**.

Cards list				
Open				
	Name	Model	Device Id	Address
☐	2025 AC Avant	CCTHV407	1000115	2025 AC Avant
☒	2025 AC R&D	CCTHV407	1000105	2025 AC R&D
☐	Afficheur LS-Pulse	LS-PULSE	1000204	2025 LS-Pulse Conference
☐	CCLP-1664	CCLP-1664	1000203	2025 CCLP-1664 Conference
☐	L-IP Conference	LIP-ME201	1000201	L-IP Conference
☐	LSSLAVE-1	LS-Slave	1000202	2025 LS-Slave Conference
☐	dimmer 0-10v	CCLD1001	1000251	dimmer 0-10v
☐	L-DALI Conference	LDALI-ME204	1900001	L-DALI Conference
Open				

Clicking a device name opens a new screen that provides information about the selected device, as well as the ability to change its settings. Screens vary depending on the type of device viewed.

3.11 Viewing CCLP-BACnet lighting panels

You can access a complete CCLP-BACnet panel from “ccp-bacnet.php” within Jasper.

This page is not accessible from the Jasper configuration menu; it was designed to be included in customized menus for customers who use lighting systems.

To view the CCLP-BACnet panel, select its card and click **Open**.

A panel like this one appears.

CCLP-1664

Reading panel ...

Card1	Card2	Card3	Card4
<u>DimOnOff Tech 1</u> #1  	<u>Visitors</u> #17  	#33	#49
<u>DimOnOff Daniel</u> #2  	<u>Development</u> #18  	#34	#50
<u>DimOnOff Bernard</u> #3  	<u>Electronic assembly</u> #19  	#35	#51
<u>DimOnOff Conference</u> #4  	<u>Oven</u> #20  	#36	#52
<u>Kitchen</u> #5  	<u>Tech</u> #21  	#37	#53
<u>David</u> #6  	<u>Electrical room</u> #22  	#38	#54
<u>Vendors</u> #7  	<u>Storage</u> #23  	#39	#55
<u>Pierre Chaput</u> #8  	<u>Warehouse east</u> #24  	#40	#56
<u>DimOnOff Hall</u> #9  	<u>Warehouse west</u> #25  	#41	#57
<u>Eastern Corridor</u> #10  	<u>Relay #26</u> #26  	#42	#58
<u>WC Women</u> #11  	<u>Relay #27</u> #27  	#43	#59
<u>WC Men</u> #12  	<u>Relay #28</u> #28  	#44	#60
<u>Conference</u> #13  	<u>Relay #29</u> #29  	#45	#61
<u>Nicolas</u> #14  	<u>Relay #30</u> #30  	#46	#62
<u>Louise</u> #15  	<u>Relay #31</u> #31  	#47	#63
<u>Western Corridor</u> #16  	<u>Relay #32</u> #32  	#48	#64

This page displays relay states and enables changes when you click the corresponding green or red button. While new commands are applied instantly, your display might not show the updated value right away, depending on DataServer polling refresh times.

CRISTAL

3.12 Viewing alarm history

The “alarms.php” screen shows all recorded alarms.

To view alarms, open the **Loggers** menu and select **Alarms, History**. A list like the one below appears.

Refresh  Filters 

Archive  Clear alarms 

☐	Creation	Archive	Type	Status	Origin	Information
☐	2016-03-29 11:47:54		Hardware	Normal	LS-Slave	Card variables are online.
☐	2016-03-29 11:47:52		Hardware	Normal	Entrepot	Card variables are online.
☐	2016-03-29 11:47:50		Hardware	Alarm	LS-Slave	Card variables are offline.
☐	2016-03-29 11:47:50		Hardware	Alarm	Entrepot	Card variables are offline.
☐	2016-03-29 11:47:50		Hardware	Alarm	AC Montage	Card variables are offline.
☐	2016-03-29 11:47:50		Hardware	Alarm	AC Avant	Card variables are offline.
☐	2016-					

Alarms count: 29

  Page of 1  

Number of alarms per page

3.12.1 Browsing alarm history information

For each alarm the following information is displayed.

3.12.1.1 Creation

Time the alarm was created.

3.12.1.2 Archive

Time the alarm was archived. Jasper does not archive alarms on its own, so this value is empty or 0 until a person archives the alarm.

3.12.1.3 Type

Type of alarm: Hardware, Software, Security or Supervised Reading.

3.12.1.4 Status

Status of the alarm.

3.12.1.5 Origin

Source of the alarm.

3.12.1.6 Information

A brief description of the reason for the alarm.

3.12.2 Managing alarm history information

The four buttons above the list are used to manage recorded alarms.

3.12.2.1 Refresh

Displays the most recent alarms.

3.12.2.2 Filters

Enables filtering of displayed alarms. If you click this button, filtering options appear. To view the list using your options, click the **Save** button at the bottom of the Filters box.

3.12.2.3 Archive

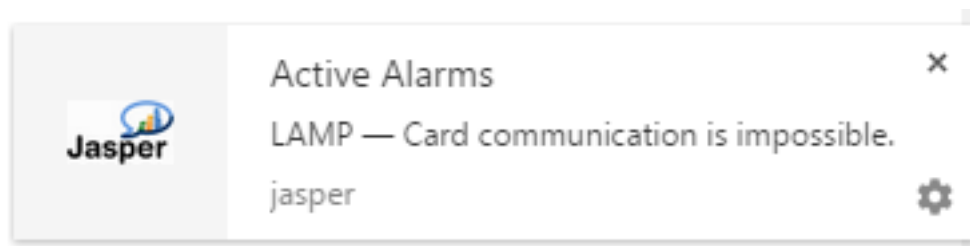
Archives selected alarms.

3.12.2.4 Clear alarms

Clears alarm history.

3.12.3 Setting web browser notifications

Jasper can alert users when a new alarm is generated.



To receive Jasper alarm notifications:

- Jasper must be open in at least one browser tab.
- the user must grant Jasper permission to display system notifications.

If it doesn't have permission, Jasper asks the user for it.

Jasper needs your permission to show you notifications. [Click here to enable the notifications.](#)

The user can turn off notifications in browsers that support notifications, including:

- Mozilla Firefox 22 or later
- Google Chrome 22 or later
- Safari 6 or later
- Microsoft Edge 14.342 or later

Internet Explorer 11 does not support notifications.

3.13 Viewing variable dependencies

Jasper can show how variables relate to each other using two interactive graphs. These graphs include the links created by bindings, groups, schedulers, scenes, the load shedder, and alarms, and more, so you can see how a change to one variable affects the rest of the system.

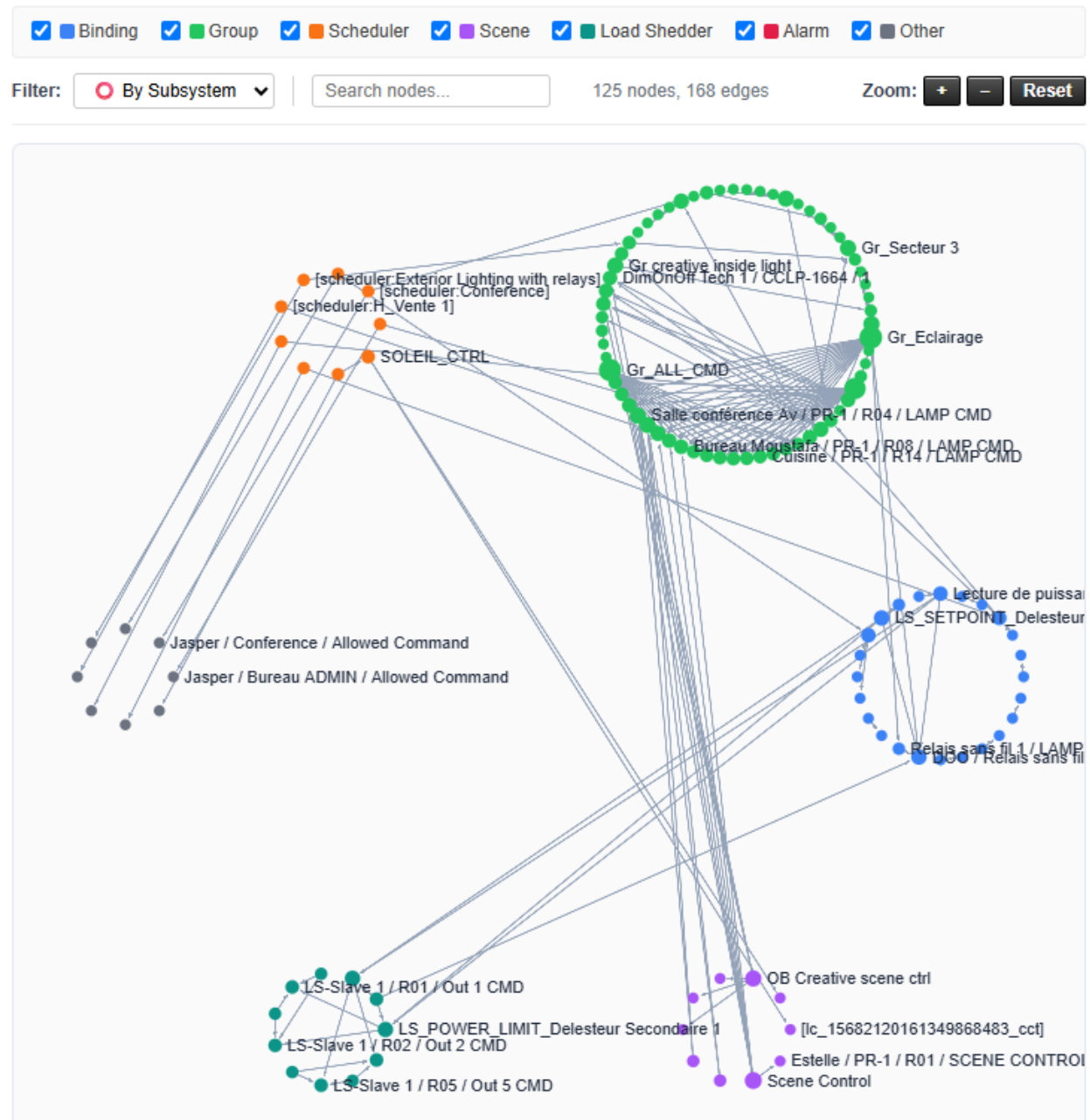
You open both graphs from the **Variables** page. To reach it, open the **Data** menu and select **Variables, Browse**.

3.13.1 System Dependency Graph

The System Dependency Graph shows the dependencies across the whole system in a single view.

To open it, click the **System Dependency Graph** link at the top of the **Variables** page.

System Dependency Graph



Each node is a variable, and each line is a dependency between two variables. The legend identifies the type of each link: Binding, Group, Scheduler, Scene, Load Shedder, Alarm, and Other. You can search for a variable, zoom, and move around the graph.

CRISTAL

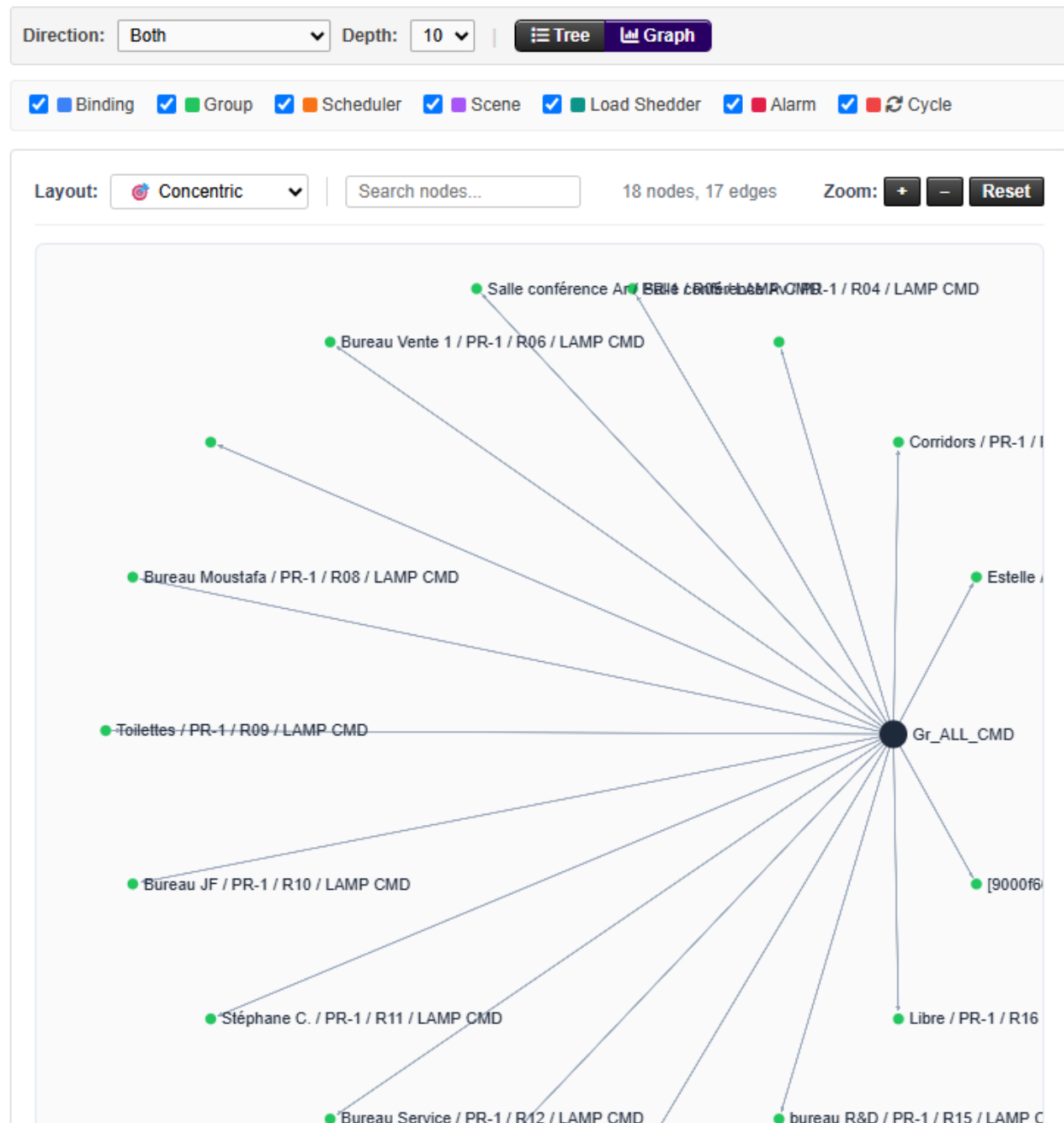
3.13.2 *Dependency Graph*

The Dependency Graph shows the dependencies for a single variable.

To open it, select a variable in the **Variables** page, then click the **Dependency Graph** link for that variable.

Dependency Graph

Gr_ALL_CMD



The graph is centered on the variable you selected and is organized into three parts:

- **Upstream:** the variables that feed into the selected variable.
- **Downstream:** the variables affected by the selected variable.

- **Usage:** the places where the variable is referenced in the configuration.

Use the **Direction** control to show both directions, only the upstream (origin), or only the downstream (impact). Use the **Depth** control to choose how many levels of dependencies to show. You can switch between the tree view and the graph view, search for a variable, and zoom.

Click a variable in the graph to center the graph on that variable. This lets you follow a chain of dependencies from one variable to the next.

4 Configuring Jasper

4.1 *Configuring the scheduler*

The user can begin to set weekly schedules by opening the **Jasper** menu and choosing **Scheduler, Configuration**.

This page contains three tabs.

4.1.1 *Schedules*

Setting weekly schedules.

4.1.2 *Days*

Creating events on a given day of the week.

4.1.3 *Exceptions*

Enabling schedule exceptions.



4.1.4 *Setting the weekly schedule*

The Schedules tab enables configuration of weekly schedule settings.

To use the scheduler, open the **Jasper** menu and select **Scheduler, Configuration**.

The **Scheduler Configuration** screen appears, open to the **Schedules** tab.

Scheduler Configuration

Save 

Schedules

Days

Exceptions

Schedule **Bureaux - Offices**

Create a schedule +

Rename 

Delete x

Effective period start

2010 - Jan - 1
Year - Month - Day

Effective period end

* - * - *
Year - Month - Day

Active ?

Destination  INVALID!

	Sun		Mon		Tue		Wed		Thu		Fri		Sat	
Day:	+  x		+  x		+  x		+  x		+  x		+  x		+  x	
	Fin de sem: 		Semaine - 1 		Semaine - 1 		Semaine - 1 		Semaine - 1 		Semaine - 1 		Fin de sem: 	
Time	Time	Value	Time	Value	Time	Value	Time	Value	Time	Value	Time	Value	Time	Value
00:00														
01:00														
02:00														
03:00														
04:00														
05:00			05:15	ON	05:15	ON	05:15	ON	05:15	ON	05:15	ON		
06:00														
07:00														
08:00														
09:00														
10:00														
11:00														
12:00	12:00	OFF											12:00	OFF
13:00														
14:00														
15:00														
16:00														
17:00														
18:00	18:00	OFF											18:00	OFF
19:00														
20:00														
21:00														
22:00														
23:00														

 Night
 Sunrise
 Day
 Sunset

Sunrises for current year are between 04:28 and 06:46.
 Sunsets for current year are between 15:33 and 19:59.
 Latitude: 44 / Longitude: -63

To configure weekly schedule settings, use the following controls:

4.1.4.1 Schedule

A list of all schedules.

4.1.4.2 Create a schedule

Create a new schedule.

4.1.4.3 Rename button

Rename the selected schedule.

4.1.4.4 Delete button

Delete the selected schedule.

4.1.4.5 Save button

Save changes in the system.

4.1.4.6 Effective period start

(Optional) set the date when the schedule takes effect.

4.1.4.7 Effective period end drop lists & calendar icon

(Optional) set the date when the schedule no longer affects the system.

4.1.4.8 Destination

Click the current destination (just above the days of the week) to select the variable whose schedule you want to change. If no variable is currently chosen, the word “!INVALID!” appears.

Once you click the destination, you can select the variable from a list like the one below.



- Lecture Puissance
- LS Relay 01
- LS Relay 02
- LS Relay 03
- LS Relay 04
- LS Relay 05
- LS Relay 06
- LS Relay 07
- LS Relay 08
- CCLP-1664 DEMO / RELAY CMD 01
- CCLP-1664 DEMO / RELAY FB 01
- CCLP-1664 DEMO / RELAY CMD 02
- CCLP-1664 DEMO / RELAY FB 02
- CCLP-1664 DEMO / RELAY CMD 03
- CCLP-1664 DEMO / RELAY FB 03
- CCLP-1664 DEMO / RELAY CMD 04
- CCLP-1664 DEMO / RELAY FB 04
- CCLP-1664 DEMO / RELAY CMD 05
- CCLP-1664 DEMO / RELAY FB 05
- CCLP-1664 DEMO / RELAY CMD 06
- CCLP-1664 DEMO / RELAY FB 06
- CCLP-1664 DEMO / RELAY CMD 07

Select or Cancel

4.1.4.9 Save

Click this button to save all changes you make on this page. If you leave this page without clicking **Save**, any changes made will be lost.

4.1.5 *Setting the daily schedule*

To configure daily settings, use the controls at the top of each day column, just under the three-letter short forms for each day, in the window explained.

	Sun
Day:	  
	Fin de sem: 

CRISTAL

4.1.5.1 Drop list

Contains a selection of daily events. Common examples include “Weekday” and “Weekend” event groupings.

Once you create a grouping and add it to this list, you can apply the grouping to other days. You can create these groupings using the **Days** tab, next to the **Schedules** tab. For more information, refer to Setting up daily events.

4.1.5.2 Plus sign (Create a new day)

To enter events in a new day. A new window opens in which you can type the name of the new day. The system then switches to the **Days** tab where you can add events. You can use the **Days** list to copy events from a typical day to other days.

4.1.5.3 Pencil icon (Edit the selected day)

To modify a day’s events in the “Days” tab.

4.1.5.4 Red X (Clear all events)

To erase a day’s events.

4.1.6 *Setting up daily events*

The “**Days**” tab lets you add or delete events on specific “types” of days.

Save

Schedules

Days

Exceptions

Days: Week days

Create a day

Rename

Delete

Add Sunrise/set Event 🌅

Time	Time	Value
00:00		add event
01:00		add event
02:00		add event
03:00		add event
04:00	04:00	on
05:00	SUNRISE	OFF
06:00		add event
07:00		add event
08:00		add event
09:00		add event
10:00		add event
11:00		add event
12:00		add event
13:00		add event
14:00		add event
15:00		add event
16:00		add event
17:00		add event
18:00		add event
19:00	SUNSET	ON
20:00		add event
21:00		add event
22:00	22:00	off
23:00		add event

■ Night
■ Sunrise
■ Day
■ Sunset

Sunrises for current year are between 04:50 and 07:30.
Sunsets for current year are between 15:56 and 20:43.
Latitude: 46.829543 / Longitude: -71.350664

CRISTAL

To configure events on a given day, use the controls in this tab.

4.1.6.1 Days

This drop list shows the “typical days” list (e.g. weekday, weekend day).

4.1.6.2 Add event

Every unoccupied line in the day calendar contains the words **add event** in grey.

07:00	add event	
	07:15	ON

Once you click **add event**, you can add an event at the specified time on this row.

Once a user adds an event, the user can change its time and value by clicking the time and value fields, respectively, and typing a new time and/or value.

07:00	add event	
	07:15	ON

The value can be:

- Numerical
- “ON”
- “OFF”
- “OCCUPIED”
- “UNOCCUPIED”

4.1.6.3 Deleting an event

When you move the mouse pointer over a row that contains an event, a red “X” appears to the right. Click this X to delete the event.

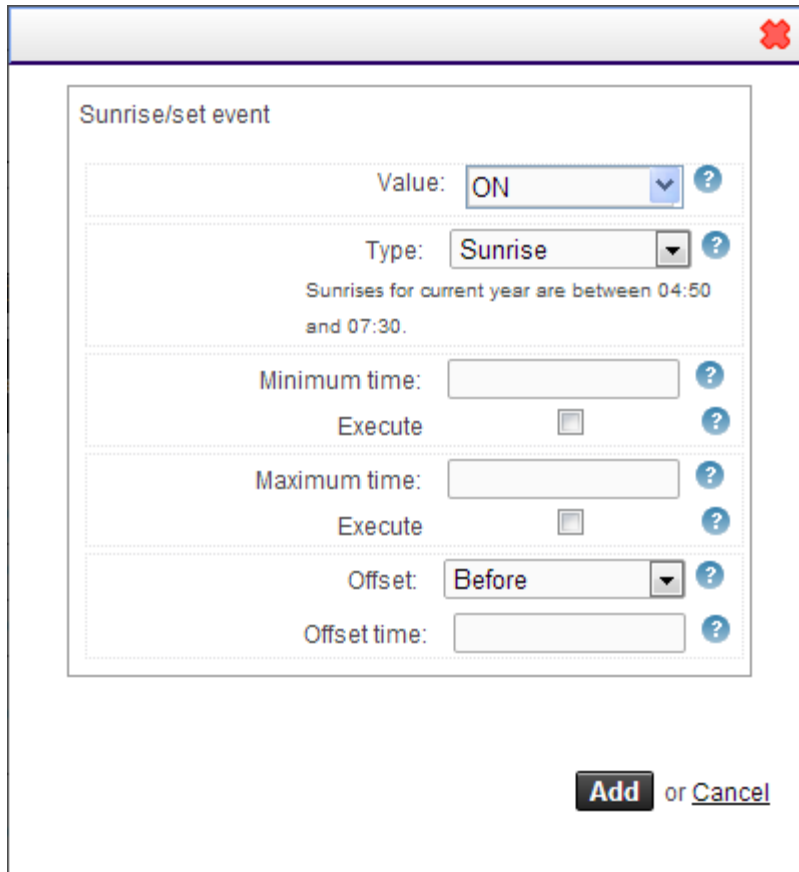
4.1.6.4 Save

Click this button to save all changes you make in this tab. If you leave this page without clicking the Save button, any changes made will be lost.

4.1.7 Setting “typical days” with sunrise and sunset events

Once you set geographical coordinates (see [Setting geographical coordinates](#)), you can set sunrise and sunset events by clicking **Add Sunrise/set Event** in the Days tab (shown below).

The **Sunrise/set event** dialog box appears.



The dialog box is titled "Sunrise/set event" and contains the following fields and controls:

- Value:** A dropdown menu set to "ON" with a help icon.
- Type:** A dropdown menu set to "Sunrise" with a help icon.
- Text:** "Sunrises for current year are between 04:50 and 07:30."
- Minimum time:** An empty text input field with a help icon.
- Execute:** A checkbox with a help icon.
- Maximum time:** An empty text input field with a help icon.
- Execute:** A checkbox with a help icon.
- Offset:** A dropdown menu set to "Before" with a help icon.
- Offset time:** An empty text input field with a help icon.

At the bottom right, there are two buttons: "Add" (highlighted in black) and "or Cancel" (a text link).

To add or modify sunrise/set events, complete this dialog box.

4.1.7.1 Value

An action applied to a control set.

4.1.7.2 Type

Sunrise or sunset event.

4.1.7.3 Minimum time

Earliest allowable time for the event.

4.1.7.4 Execute

When the event is earlier than the minimum time and this box is checked, the event is done at the minimum time. If the box isn't checked, the event will be ignored.

4.1.7.5 Maximum time

Latest allowable time for the event.

4.1.7.6 Execute

When the event is later than the minimum time and this box is checked, the event is done at the maximum time. If the box isn't checked, the event will be ignored.

4.1.7.7 Offset

To determine whether event starts before or after the sunset or sunrise time.

4.1.7.8 Offset time

If you select an **Offset time**, the **Offset time** field appears, and you can add an offset (hh:mm) for the event from the sunrise or sunset time.

4.2 Setting geographical coordinates

Jasper uses your building's latitude and longitude to calculate times for sunset/sunrise events.

To set your building's geographical coordinates, open the **Jasper** menu and click **Scheduler, Astronomic Configuration**.

Configuration options appear.

The screenshot displays the 'Astronomic Configuration' window. It features three input methods for geographical coordinates, each with a 'Get' button and a help icon (question mark):

- City:** A dropdown menu with a 'Get' button.
- Postal/ZIP Code:** A text input field with a 'Get' button.
- Geolocation:** A label with a 'Get' button.

Below these options, the 'Geographic Coordinates' section is visible, containing two text input fields:

- Latitude:** 46.829543
- Longitude:** -71.350664

A 'Save' button is located at the bottom of the 'Geographic Coordinates' section.

You can enter coordinates using one of these four methods:

- Select a city from the **City** drop list and click **Get**.
- Enter a **Postal/ZIP Code**¹ and click **Get**.
- Click **Get** to the right of the **Geolocation**² label.
- Type the **Latitude** and **Longitude** settings.

¹ Jasper must be connected to the Internet to convert a postal code to geographical coordinates.

² Your web browser must support this feature.

Once you use any of the methods listed here, coordinates appear in **Latitude** and **Longitude**.

4.3 *Creating calendars*

You can create a calendar that you can later use in schedules as well as exceptions to regular schedules that contain hourly events that differ from those in regular schedules.

To configure the calendar, open the **Jasper** menu and click **Scheduler, Calendars**. The **Calendar Configuration** screen appears.

January - 2016							February - 2016							March - 2016						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
					1	2		1	2	3	4	5	6			1	2	3	4	5
3	4	5	6	7	8	9	7	8	9	10	11	12	13	6	7	8	9	10	11	12
10	11	12	13	14	15	16	14	15	16	17	18	19	20	13	14	15	16	17	18	19
17	18	19	20	21	22	23	21	22	23	24	25	26	27	20	21	22	23	24	25	26
24	25	26	27	28	29	30	28	29						27	28	29	30	31		
31																				

April - 2016							May - 2016							June - 2016						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
					1	2	1	2	3	4	5	6	7			1	2	3	4	
3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11
10	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18
17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25
24	25	26	27	28	29	30	29	30	31					26	27	28	29	30		

July - 2016							August - 2016							September - 2016						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
					1	2	1	2	3	4	5	6				1	2	3		
3	4	5	6	7	8	9	7	8	9	10	11	12	13	4	5	6	7	8	9	10
10	11	12	13	14	15	16	14	15	16	17	18	19	20	11	12	13	14	15	16	17
17	18	19	20	21	22	23	21	22	23	24	25	26	27	18	19	20	21	22	23	24
24	25	26	27	28	29	30	28	29	30	31				25	26	27	28	29	30	
31																				

October - 2016							November - 2016							December - 2016						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1			1	2	3	4	5				1	2	3	
2	3	4	5	6	7	8	6	7	8	9	10	11	12	4	5	6	7	8	9	10
9	10	11	12	13	14	15	13	14	15	16	17	18	19	11	12	13	14	15	16	17
16	17	18	19	20	21	22	20	21	22	23	24	25	26	18	19	20	21	22	23	24
23	24	25	26	27	28	29	27	28	29	30				25	26	27	28	29	30	31
30	31																			

Calendar **new**

Canadian Holidays

Name: Canadian Holidays

Description:

apply **delete**

Date **new**

Choose a date...

Schedules using selected calendar

No schedule use the selected calendar

Cristal Controls has created several sample calendars that you can modify to fit your needs.

United States

- New Year's Day• Martin Luther King Day•

Conges fériés Canadiens

Jean-Baptiste• Fête du
Canada• Fête du Travail•
Action de grâce• Noël

Canadian Holidays

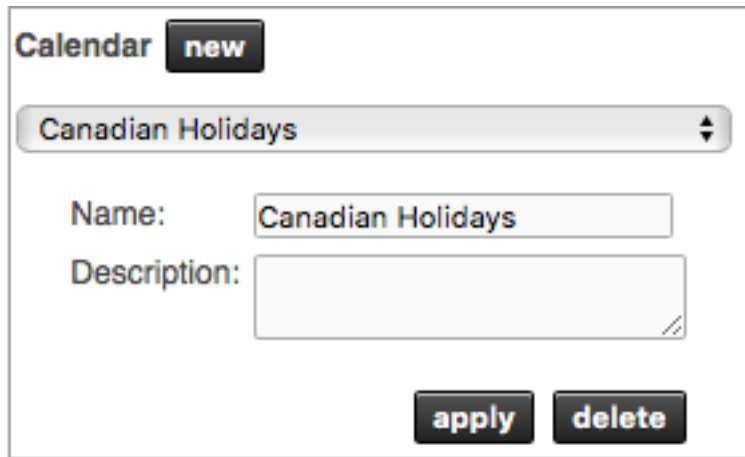
Canada Day• Labour Day•
Thanksgiving• Christmas

United States

Washington Presidents
Day• Memorial Day•
Independence Day• Labor
Day• Columbus Day•
Veterans Day•
Thanksgiving Day•
Christmas Day

4.3.1 Managing calendars

You can use the **Calendar** box to the right of the main calendar to create a new calendar or modify or delete a calendar.



4.3.1.1 New

Create a new calendar. A dialog box appears where you can enter the name of the new calendar.

4.3.1.2 Name

Modify the selected calendar name.

4.3.1.3 Description

Modify the description that explains what this calendar is used for.

4.3.1.4 Apply

Save any changes made.

4.3.1.5 Delete

Delete the selected calendar.

4.3.2 Managing dates

You can use the **Date** box to the right of the main calendar and below the **Calendar** box to create a new date or modify or delete a date.

4.3.2.1 New

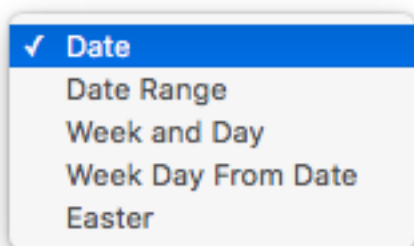
Create a new date. A dialog box appears where you can enter the name of the new date.

4.3.2.2 Name

Modify the selected date name.

4.3.2.3 Type

Enter the type of date you want to create.



The rest of this box offers a tailored set of fields depending on the date type you select. Each choice you make is reflected in the calendar to the left.

For information on date settings, refer to Date types.

4.3.2.4 Apply

Save any changes made.

4.3.2.5 Delete

Delete the selected date.

4.3.3 Date types

4.3.3.1 Date

Date **new**

Canada day

Name:

Type: ?

Date: - - 

Year - Month - Day

Day Of Week:

apply **delete**

Year: A specific year or all years.

Month: A fixed month, all even months, all odd months or all months.

Day: A precise day, last day of the month or all days.

Day Of Week: A weekly day or all days.

4.3.3.2 Date Range

Date **new**

Christmas

Name: Christmas

Type: Date Range ?

From:

Any - Dec - 25

Year - Month - Day

To:

Any - Dec - 26

Year - Month - Day

apply **delete**

From: Start date.

To: End date.

4.3.3.3 Week and Day

Date **new**

Labor day

Name: Labor day

Type: Week and Day ?

Month:

September

Week Of Month:

First Week - (days: 1-7)

Day Of Week:

Monday

apply **delete**

Month: Fixed months, even months, odd months or all months.

Week Of Month: Either a 7-day period or all days. For example, Labour Day is always the first Monday of September in Canada. It would be set to first week and “day of Week” to Monday.

Day Of Week: A day of the week or all days.

4.3.3.4 Week Day From Date

The screenshot shows a configuration form for a date-based holiday. At the top, there is a 'Date' label and a 'new' button. Below this is a dropdown menu with 'Victoria day' selected. A 'Name' field contains 'Victoria day'. The 'Type' dropdown is set to 'Week Day From Date' with a help icon. The 'First' section has a dropdown for 'Monday' and a 'Before' dropdown. The 'Date' section consists of three dropdowns: 'All' (labeled 'Year'), 'May' (labeled 'Month'), and '24' (labeled 'Day'), followed by a calendar icon. At the bottom are 'apply' and 'delete' buttons.

First: To select a weekday before or after the **Date**.

Date: Date

4.3.3.5 Easter

The screenshot shows a configuration form for a date-based holiday. At the top, there is a 'Date' label and a 'new' button. Below this is a dropdown menu with 'Easter' selected. A 'Name' field contains 'Easter'. The 'Type' dropdown is set to 'Easter' with a help icon. The 'Start' section has a dropdown menu with '2 days before (Holy Friday)' selected. The 'End' section has a dropdown menu with '1 day after (Easter Monday)' selected. At the bottom are 'apply' and 'delete' buttons.

Start: Starting day according to Easter day.

End: Ending day according to Easter day.

4.3.4 *Setting schedule exceptions*

You can use the **Exceptions** tab to create schedule exceptions. The Exceptions tab shows daily events replacing standard weekly events from the **Schedules** tab.

Save

Schedules

Days

Exceptions

Schedule spare time operation

Effective Calendars

+

-

Conges feries Canadiens

Priority

1 - highest

Typical Day Events

Weekend

new + | edit

Time	Time	Value
00:00		
01:00		
02:00		
03:00		
04:00		
05:00		
06:00		
07:00		
08:00		
09:00		
10:00	10:00	ON
11:00		
12:00		
13:00		
14:00		
15:00		
16:00		
17:00		
18:00		
19:00		
20:00		
21:00		
22:00		
23:00	23:00	OFF

Night

Sunrise

Day

Sunset

Sunrises for current year are between 05:04 and 07:30.

Sunsets for current year are between 16:10 and 20:42.

Latitude: 45 / Longitude: -73

4.3.5 Creating schedule exceptions

To create a schedule exception or modify an exception, complete the Exceptions tab.

4.3.5.1 Schedule

Select a schedule from this list to which you want to add an exception.

4.3.5.2 Effective Calendar

A list of exception calendars applied to the schedule.

4.3.5.3 Effective Calendar / +

Click this button to add an exception calendar to the selected schedule.

4.3.5.4 Effective Calendar / -

Click this button to remove an effective exception calendar from the selected schedule.

4.3.5.5 Effective Calendars / pencil icon

Click this link to open the configuration web page for the calendar you select. For more information on this option, refer to Creating calendars.

4.3.5.6 Priority

Set calendar exception priority from 1 to 16, 1 being the highest priority and 16 being the lowest. If two calendars define the same date (e.g. “Weekday” at a priority of 10 and “Holiday” at a priority of 3), Jasper uses the calendar with higher priority (in this sample case, “Holiday”).

4.3.5.7 Typical Day Events

This list shows available typical days. The selected day is the one used by the calendar.

4.3.5.8 Typical Day Events / edit

Click this link to open the **Days** tab and modify the selected day.

4.3.5.9 Typical Day Events / new

Click this link to create a new typical day. A new window appears in which you can create a new day name, then the **Days** tab appears to enable event modification.

4.3.5.10 Save

Save changes to the system. If you leave this page without clicking this button, any changes made will be lost.

4.4 Configuring RGB settings

You can create custom combinations of red, green and blue for your system.

Configuration RGB

Name	Color	Red	Green	Blue	
Blue		0%	0%	100%	Delete
Green		0%	100%	0%	Delete
Red		100%	0%	0%	Delete

Add color

Variables

Add color

Name

?

Choose color

Test

☐ Live update

Red %

100

?

Green %

100

?

Blue %

100

?

Save

5 Generating reports

You can use the Jasper reporting tools to extract information from the SQLite database.

To extract information from the Jasper database, follow these steps.

1. Open the **Loggers** menu and select **Trending**, then **Reports**. The report page appears.

Logger Report

Report preset ?

lamp fb

lamp fb

Save

Load

Delete

Start time

End time

Output format

2026-01-26 15:34:14



2026-08-31 17:12:00



Graph



Generate

Available Variables



SODALITE / Input 1-01 DC41 Light
SODALITE / Input 1-02 DC42 Light
SODALITE / Input 1-04 S.D. Light
SODALITE / Input 1-04 S.D. Occupancy
SODALITE / Input 1-05 S.E. Light
SODALITE / Input 1-05 S.E. Occupancy
SODALITE / Input 4-03 Light
SODALITE / Input 4-03 Occupancy
SODALITE / Input 4-04 Occupancy
SODALITE / Input 4-05 Light
SODALITE / Lamp 1-01 / Designers Feedback
SODALITE / Lamp 1-02 / Service Feedback
SODALITE / Lamp 1-03 / Sales Director Feedback
SODALITE / Lamp 1-05 / Conference Front
SODALITE / Lamp 1-05 / Conference Front F
SODALITE / Lamp 1-06 / Conference Back F
SODALITE / Lamp 1-07 / Director Feedback
SODALITE / Lamp 1-08 / Procurement Feedback
SODALITE / Lamp 1-09 / Test 2 Feedback
SODALITE / Lamp 1-10 / Assembly Feedback
SODALITE / Lamp 1-11 / Sales 1 Feedback
SODALITE / Lamp 1-12 / Sales 2 Feedback
SODALITE / Lamp 1-13 / Kitchen Feedback
SODALITE / Lamp 1-14 / Corridor Feedback
SODALITE / Lamp 1-15 / RD Pape
SODALITE / Lamp 1-15 / RD Pape Feedback
SODALITE / Lamp 1-16 / RD Melanie
SODALITE / Lamp 1-16 / RD Melanie Feedback
SODALITE / Lamp 1-17 / RD Window
SODALITE / Lamp 1-17 / RD Window Feedback
SODALITE / Lamp 1-18 / RD Louis

Add >

< Remove

Selected Variables



Estelle / PR-1 / R01 / LAMP FB
Corridors / PR-1 / R02 / LAMP FB
Bureau Stephane S. / PR-1 / R03 / LAMP FB
Salle conférence Av / PR-1 / R04 / LAMP FB
Salle conférence Ar / PR-1 / R05 / LAMP FB
Bureau Vente 1 / PR-1 / R06 / LAMP FB
Bureau Jasmin / PR-1 / R07 / LAMP FB
Bureau Moustafa / PR-1 / R08 / LAMP FB
Toilettes / PR-1 / R09 / LAMP FB
Bureau JF / PR-1 / R10 / LAMP FB
Stéphane C. / PR-1 / R11 / LAMP FB
Bureau Service / PR-1 / R12 / LAMP FB
Dessinateurs / PR-1 / R13 / LAMP FB
Cuisine / PR-1 / R14 / LAMP FB
bureau R&D / PR-1 / R15 / LAMP FB
Libre / PR-1 / R16 / LAMP FB

2. In the **Available Variables** list on the left, find the variables you want to report on. Use the search box above the list to filter by name.
3. Select one or more variables and click **Add** (or double-click a variable) to move them into the **Selected Variables** list on the right. To take a variable out of the report, select it in the **Selected Variables** list and click **Remove** (or double-click it).
4. Set the **Start time** and the **End time** for the report.
Note: The more data you request in a report, the more time Jasper needs to generate the report. To speed up the report, set a shorter time interval.
5. Select the **Output format**. For more information, refer to Report formats.
6. Click **Generate**. The report appears on screen.

5.1 Report presets

You can save a variable selection, time range, and output format as a report preset so you can reuse it later.

- To save a preset, enter a name in the preset name field and click **Save**.
- To reuse a preset, select it in the preset list and click **Load**. The saved variables, time range, and output format are applied.
- To remove a preset, select it in the preset list and click **Delete**.

Report presets are stored in the browser you use to access Jasper. They remain available after you reload the page, but they can be removed if the browser cache or site data is cleared.

5.2 Report formats

5.2.1 Graph

Shows a chart in your browser. In this format, you can:

- Zoom into a specific region of the graphic using your mouse
- Change the time range without leaving the graph
- Hover over a curve to see a tooltip with the curve name, color, and value.

5.2.2 HTML

Renders as a table.

5.2.3 *Text*

Downloads an ASCII file on your computer. Values are separated by tab characters. File contents can be imported into a spreadsheet.

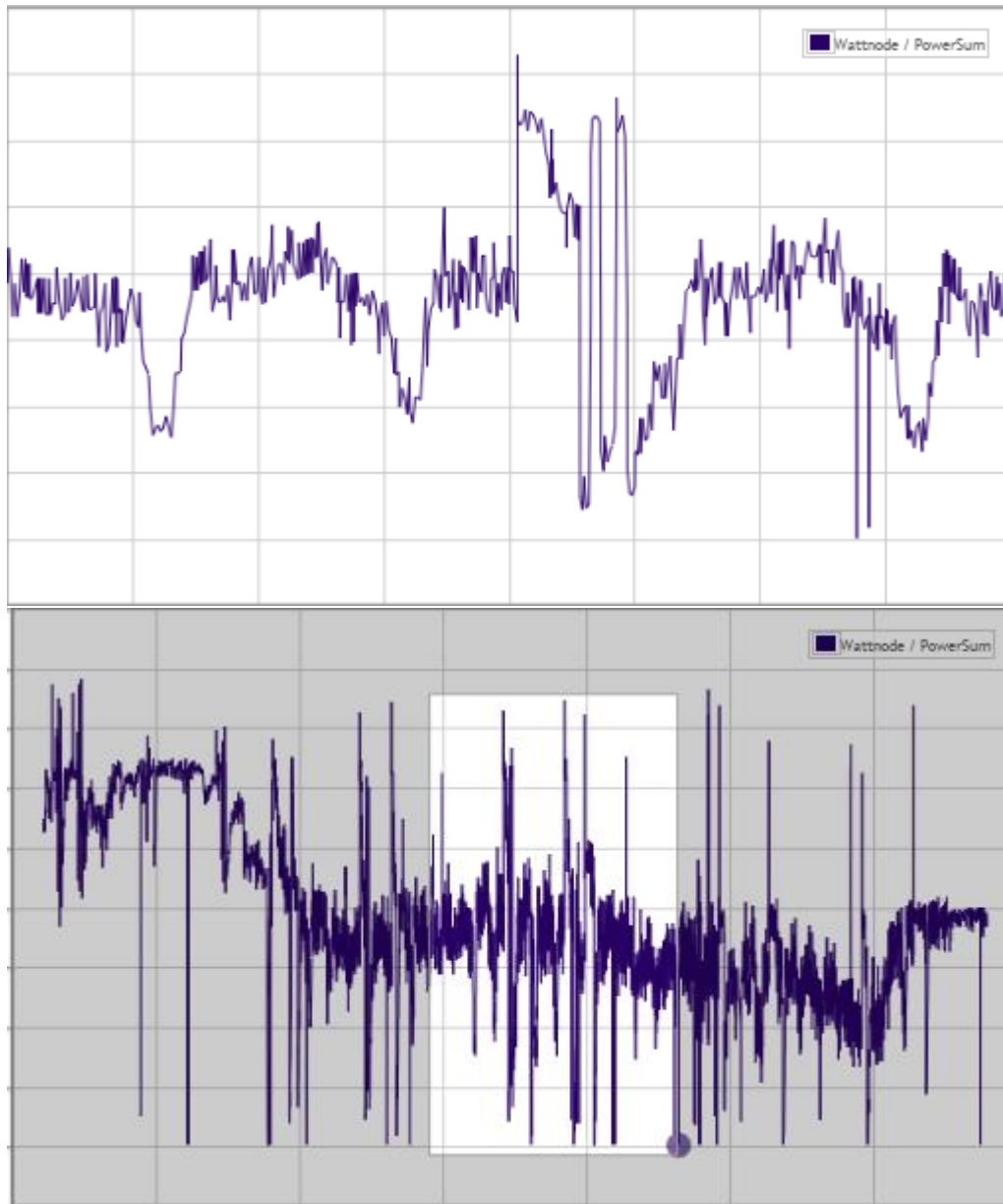
5.2.4 *XML*

Downloads an ASCII file on your computer. File contents can be imported into a spreadsheet.

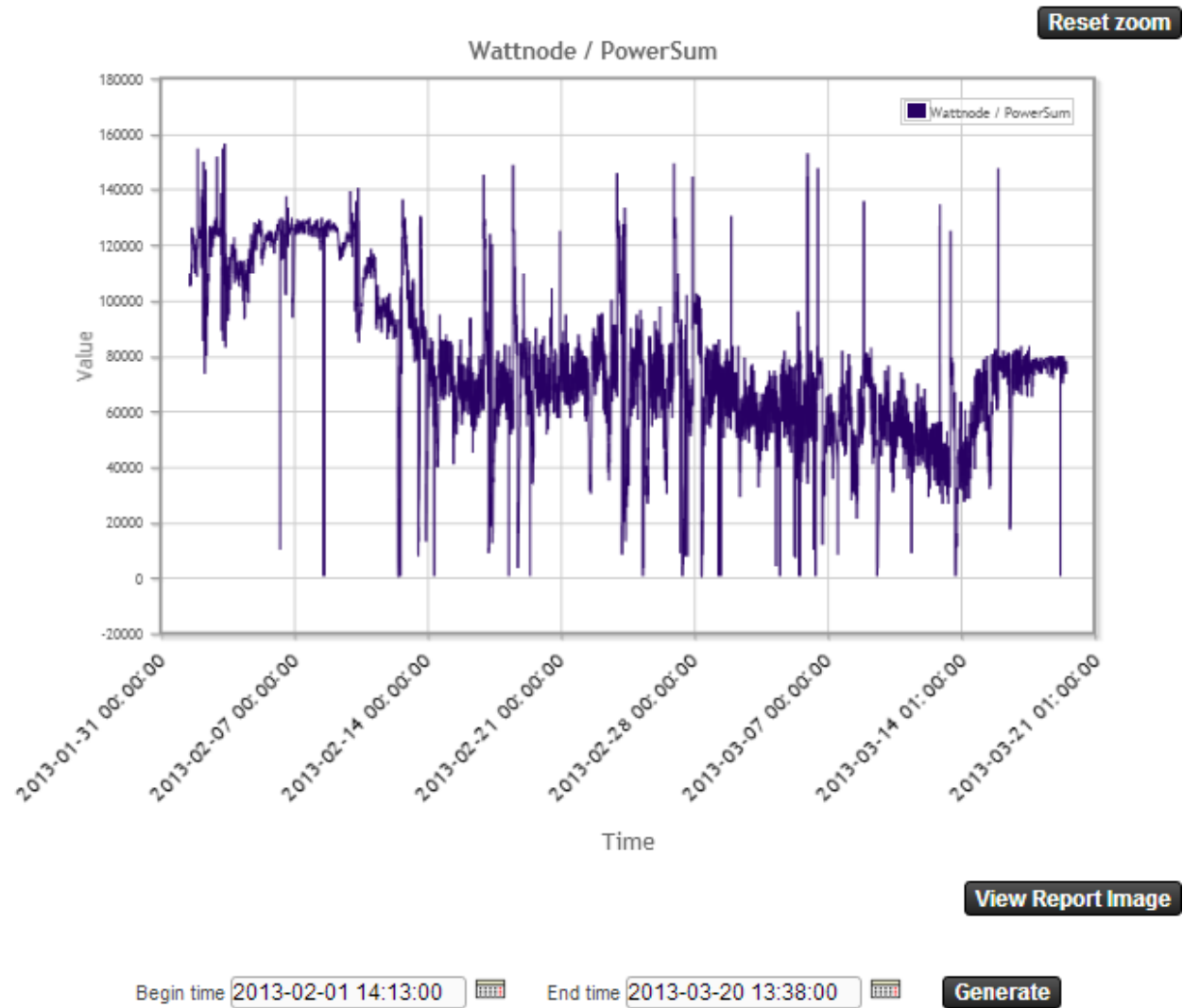
5.2.5 *Event*

Shows data as events. It shows date and time, variable name and value. Every variable is displayed, regardless of the selection made from the list.

5.3 Sample Jasper reports



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