

Elexant 7300i Local User Interface

Raychem

Operations Manual

Firmware versions up to and including v1.0

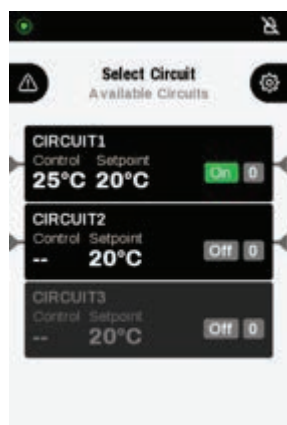


Figure 1.1 Home screen

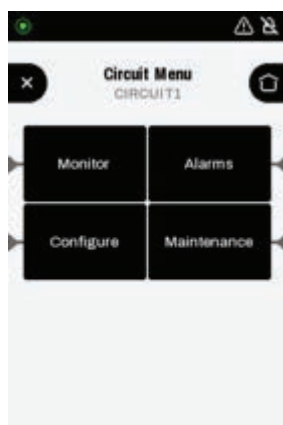


Figure 1.2 Circuit Menu



Figure 1.3 Monitor — Temperature

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OPERATING INSTRUCTIONS FOR FIRMWARE VERSIONS UP TO AND INCLUDING V1.0

This manual provides information on the operation, configuration, monitoring, and operator maintenance of the Raychem Elexant 7300i heat-tracing controller module through its local graphical user interface.

Digital copies of the latest version of this manual can be downloaded at chemelex.com/raychem using the document number shown on the back cover.

The information contained in this document is subject to change without notice.

Certification

CHEMELEX certifies that this product met its published specifications at the time of shipment from the factory.

Limited Warranty

This CHEMELEX product is warranted against defects in material and workmanship for a period of 18 months from the date of installation or 24 months from the date of purchase, whichever occurs first. During the warranty period, CHEMELEX will, at its option, either repair or replace products that prove to be defective.

For warranty service or repair, this product must be returned to a service facility designated by CHEMELEX. The Buyer shall prepay shipping charges to CHEMELEX and CHEMELEX shall pay shipping charges to return the product to the Buyer. However, the Buyer shall pay all shipping charges, duties, and taxes for products returned to CHEMELEX from another country.

CHEMELEX warrants that the software and firmware designated by CHEMELEX for use with the Raychem Elexant 7300i will execute its programming instructions properly. CHEMELEX does not warrant that the operation of the hardware, software, or firmware will be uninterrupted or error-free.

Warranty Exclusion/Disclaimer

The foregoing warranty shall not apply to defects resulting from improper or inadequate maintenance by the Buyer, Buyer-supplied software or interfacing, unauthorized modification or misuse, operation outside of the specifications for the product, or improper installation.

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This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

This equipment does not exceed Class A limits for radio emissions as set out in Schedule V to VIII of the Radio Interference Regulations of Communication Canada. Cet appareil respecte les limites de bruits radioélectriques applicables aux appareils numériques de Classe A prescrites dans la norme sur le matériel brouilleur: "Appareils Numériques", NMB-003 édictée par le Ministre des Communications.

Important Warnings and Notes

The following labels are used throughout this manual to alert you to important warnings that affect safety and to important notes that affect the proper operation of the unit. Be sure to read and follow them carefully.

WARNING: Identifies a hazard that could result in personal injury, fire, explosion, or damage to equipment.

IMPORTANT: Identifies information required for correct operation of the controller.

NOTE: Identifies helpful supplementary information.

SECTION 1 – OVERVIEW

1.1 INTRODUCTION

This manual describes how to operate and configure the Elexant 7300i control module using its local graphical user interface (UI). For mounting, wiring, approvals, and specific conditions of use, refer to the Elexant 7300i Installation Instructions (RAYCHEM-IM-N10197-Elexant7300iModule-EN). For Elexant 7300i controller assemblies (module installed in an enclosure), refer to the controller assembly installation instructions (RAYCHEM-IM-N10206-Elexant7300iSystem-EN). For instructions on replacing a Raychem 920 controller with the Elexant 7300i, refer to the Elexant 7300i conversion kit instructions. For remote communications, refer to the Elexant 7300i Modbus register map.

1.2 CONTROLLERS COVERED BY THIS MANUAL

This document covers the Elexant 7300i-ST1 and Elexant 7300i-ST3 control modules, whether supplied separately or installed in an Elexant 7300i controller assembly. The information coincides with the specific releases of firmware listed on the front page. As Chemelex releases new firmware that modifies or enhances the product significantly, new documentation will accompany these releases.

To make sure you are using the correct documentation, check the firmware version of your controller against the version listed on the front of this manual. The firmware version is shown under **Device Settings > About** (see Section 6.5) and is also available through a communicating device.

Model	Part Number	Description
Elexant 7300i-ST1	2000006771	Single-phase control module
Elexant 7300i-ST3	2000006772	Three-phase control module
Elexant 7300i-E4FWL-1ST1-SS3102-A	2000007009	Controller assembly, 2 circuits, one module, 1-pole 30 A SSR per circuit
Elexant 7300i-E4FWL-1ST1-SS3202-A	2000007010	Controller assembly, 2 circuits, one module, 2-pole 30 A SSR per circuit
Elexant 7300i-E8FWL-2ST1-SS3104-A	2000007011	Controller assembly, 4 circuits, two modules, 1-pole 30A SSR per circuit
Elexant 7300i-E10FWQ1-3ST1-SS3108-A	2000007012	Controller assembly, 8 circuits, three modules, 1-pole 30A SSR per circuit

In controller assemblies containing more than one module, each module has its own display and keypad and is operated independently as described in this manual.

1.3 PRODUCT OVERVIEW

1.3.1 Description

The Elexant 7300i is a dual-circuit controller for electric heat-tracing control and monitoring. It builds on Raychem 920 functionality with a graphical local user interface that shows per-circuit status, control temperature, setpoint, output state, and active alarms at a glance. The local interface lets you view and reset alarms, monitor the heat-tracing circuits, review maintenance data, and examine or change the configuration. No specialized tools are required for commissioning, configuration, or troubleshooting. All settings are stored in non-volatile memory and are retained through power loss.

1.3.2 Features

- **Graphical display and keypad.** A 3.5-inch graphical LCD with ten keys, five on each side of the display. Menus and settings are shown in plain language rather than scrolled abbreviations.
- **Two independent circuits.** Each circuit supports up to two Pt100 RTD temperature sources and On/Off (deadband), Proportional, Always On, Always Off, and Proportional Ambient control.
- **Comprehensive monitoring.** Temperature, load current, ground-fault current, voltage, resistance, and power are measured and displayed in real time.
- **Multilingual.** The UI is available in English and French, with temperatures in °C or °F.
- **Passcode protection.** A four-digit passcode protects the configuration from unauthorized changes.
- **Communications.** One isolated RS-485 port (Modbus RTU with Raychem 920 Modbus emulation) and Bluetooth Low Energy (BLE), which can be disabled when not required.
- **Hazardous-area use.** Approved for nonhazardous and Class I, Division 2 / Zone 2 hazardous locations when installed as described in the installation instructions.

1.4 DIFFERENCES FROM THE RAYCHEM 920 OPERATOR CONSOLE

Users familiar with the 920 series operator console will find the same functions organized differently. The table below summarizes the main differences. A full parameter-by-parameter cross-reference is provided in Appendix B.

920 operator console	Elexant 7300i
Removable console that hooks onto the control module	Display and keypad are built into the control module
6-character scrolling LED display	3.5-inch graphical LCD
SCAN mode cycles through both points	Home screen shows both circuits at once
SHIFT + ALARM / MONITOR / CONFIG select the mode	Select a circuit on the Home screen, then choose Monitor, Alarms, Configure, or Maintenance
A/B key toggles between points A and B	Return to the Home screen and select the other circuit
Up/Down keys step through a menu one item at a time	Up to three items or six tiles per page; « and » change pages
Common settings in COMMON SETUP and COMMUNICATIONS SETUP	Device-wide settings in Device Settings (gear key on the Home screen)
Alarms configured in TS ALARMS CONFIG and OTHER ALARMS CONFIG	Each alarm is configured next to the function it monitors
Pt100 and Ni-Fe RTDs	3-wire Pt100 RTDs only

IMPORTANT: The following 920 functions are not available on the Elexant 7300i: Ni-Fe and 2-wire RTDs, TEMPBUS RTD sharing, HTCBUS protocol, Modbus ASCII, Modbus sub-addressing, modem and RS-232 communications, load shedding, copy configuration between points, and on-demand tracing test.

SECTION 2 – SAFETY AND INSTALLATION

WARNING: Be sure all personnel involved in installation, servicing, and programming are qualified and familiar with electrical equipment, their ratings, and proper practices and codes. Multiple voltages and signal levels may be present during installation, operation, and servicing of this product.

2.1 INTRODUCTION

The Elexant 7300i module is an open-type device that must be installed inside an enclosure as described in the Elexant 7300i Installation Instructions (RAYCHEM-IM-N10197-Elexant7300iModule-EN). This section summarizes the safety considerations that apply when operating the local user interface. It does not replace the installation instructions.

2.2 OPERATOR SAFETY CONSIDERATIONS

The Elexant 7300i is suitable for use in nonhazardous locations and in Class I, Division 2, Groups A, B, C, D and Zone 2 hazardous locations when installed in an appropriate enclosure. Hazardous areas are defined by Article 500 of the National Electrical Code and Section 18 of the Canadian Electrical Code.

The keypad is located on the front of the control module inside the enclosure. Operating the keypad requires opening the enclosure door.

WARNING: EXPLOSION HAZARD — Do not disconnect equipment while the circuit is live unless the area is known to be non-hazardous. Follow your site's permit and work procedures before opening an enclosure in a hazardous location.

IMPORTANT: To maintain an adequate pollution-degree environment, check that there is no visible condensation or dust after opening the enclosure. If the enclosure has been open, power the device and allow it to warm up for 5 minutes before closing the enclosure door.

2.3 OPERATING ENVIRONMENT

The operating environment should be within the limits given in Section 8. Clean the display and enclosure with a soft, damp cloth only, to avoid electrostatic discharge.

SECTION 3 – USER INTERFACE AND OPERATION

3.1 DISPLAY

The control module has a 3.5-inch graphical LCD. Every screen uses the same layout, shown in Figure 3.1.

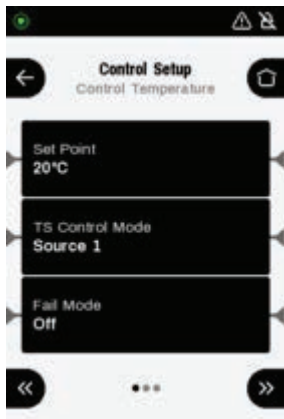


Figure 3.1 Menu screen



Figure 3.2 Edit screen

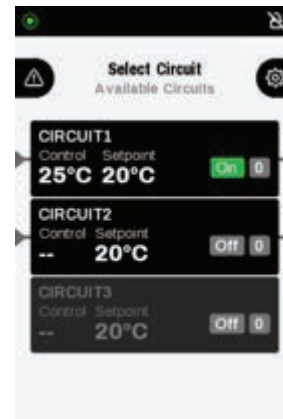


Figure 3.3 Home screen

Screen area	Description
Status bar (top)	Left: module status indicator (green when the module is operating normally). Right: the alarm symbol (triangle), shown whenever any alarm is active on the module, and the lock symbol, which shows whether the configuration is locked or unlocked by a passcode.
Header	Screen title and subtitle (usually the circuit tag or the name of the parameter being edited). A key symbol appears in each top corner to show the function of the top key on that side.
Content area	Up to three full-width rows, or up to six tiles in two columns. A row shows a parameter name with its present value, a sub-menu name, or an option.
Footer	On screens with more than one page, « and » symbols in the bottom corners and page dots in the center. The filled dot shows the current page.

3.2 KEYPAD

The keypad consists of ten keys, five on each side of the display. Each key operates the item on the screen directly beside it: the top keys operate the header symbols, the three middle keys operate the three content rows, and the bottom keys operate the footer symbols.

A small arrow marker at the screen edge beside a row shows that the row can be selected with the key next to it. Rows without a marker are display-only. When a row is split into two tiles, the left key selects the left tile and the right key selects the right tile. When a row spans the full width, either key selects it.

Symbol	Name	Function
←	Back	Returns to the previous menu
⬆	Home	Returns to the Home screen
× (header)	Cancel / Close	Leaves an edit screen without saving; closes the Circuit Menu or a message screen
✓	Accept	Saves the new setting and leaves the edit screen
⚠ (Home screen)	System Alarms	Opens the System Alarms list
⚙ (Home screen)	Device Settings	Opens the device-wide settings menu
« / »	Previous / Next page	Moves between the pages of a multi-page menu
- / +	Decrease / Increase	Changes the selected digit or character when editing a value
« / » (red)	Cursor Left / Right	Moves the edit cursor to the previous or next digit or character
^^ / vv (red)	Previous / Next row	In the text editor, moves the character selection up or down one row of the character table
↺	Reset	Resets a maintenance value to zero
× (alarm row)	Reset Alarm	Resets the alarm on that row
?	Help	Shows passcode recovery information

3.3 LED INDICATORS

The control module has status LEDs for Module Status, Circuit 1 Status, Circuit 2 Status, Bluetooth Status, and RS-485 Status. The RS-485 LED flashes to show communications activity on the RS-485 port. The Bluetooth LED indicates Bluetooth activity when Bluetooth is enabled.

LED	Indication
Module Status	Module operating state
Circuit 1 Status / Circuit 2 Status	Output and alarm state of the circuit
Bluetooth Status	Bluetooth enabled / connection activity
RS-485 Status	Receive and transmit activity on the RS-485 port

To check that all LEDs and the display are working, use the Status Lights test (Section 5.3.4).

3.4 OPERATIONAL BASICS

3.4.1 Screen hierarchy

At power-up the module shows the Raychem start-up screen and then the Home screen. All functions are reached from the Home screen:

- **Select a circuit** to open its Circuit Menu, which gives access to Monitor, Alarms, Configure, and Maintenance for that circuit (Sections 4 and 5).
- **Press**  to open System Alarms (Section 4.3.2).
- **Press**  to open Device Settings, which contains settings common to the whole module (Section 6).

3.4.2 Menus and pages

Each menu screen shows up to three rows or six tiles. When a menu has more items than fit on one screen, the items are divided into pages. Use « and » to move between pages; the page dots show your position. Items that end in a sub-menu open that sub-menu when selected. Use ← to go back one level or  to go directly to the Home screen.

IMPORTANT: Some menus are dynamic. Items that do not apply to the present configuration are shown greyed out and cannot be selected. For example, when an alarm is disabled, its setpoint, filter, and latch settings are greyed out; when the control output is not suitable for a mode, that option is greyed out. Items that are not available on this model are also shown greyed out.

If no key is pressed for an extended period of time, the display returns to the Home screen.

3.4.3 Changing the configuration

To change a setting:

1. Navigate to the menu that contains the parameter.
2. Press the key beside the parameter. An edit screen opens. The header shows × and ✓ and the subtitle shows the name of the parameter.
3. If the configuration is locked, you are prompted to enter the passcode (Section 3.4.8).
4. Change the value using the methods described in Sections 3.4.4 to 3.4.7.
5. Press ✓ to save the new value, or × to leave without changing the parameter.

IMPORTANT: A change takes effect only when ✓ is pressed. Leaving an edit screen with × discards all changes made on that screen.

3.4.4 Selecting an option

Parameters with a fixed list of choices (for example, Control Mode or Baud Rate) are shown as a grid of option tiles. The present setting is marked with a check mark. Press the key beside the required option to select it, then press ✓ to save.

3.4.5 Enabling or disabling a function

Functions that are switched on or off (for example, an alarm, the alarm latch, or Bluetooth) are shown with a toggle switch. Press the key beside the toggle to change it, then press ✓ to save. Settings that depend on the function are greyed out while it is disabled.

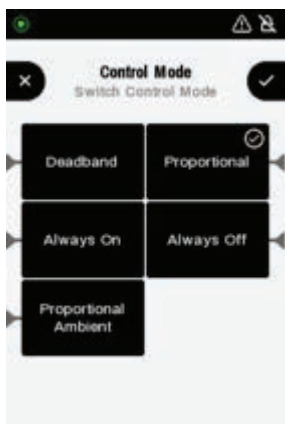


Figure 3.4 Option grid

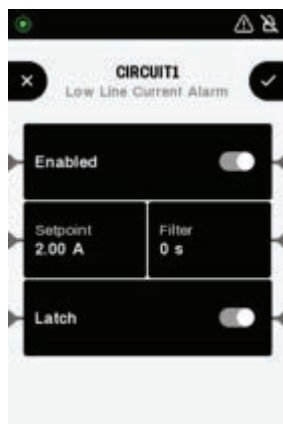


Figure 3.5 Toggles and values

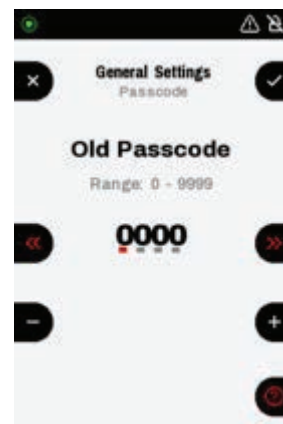


Figure 3.6 Numeric editor

3.4.6 Changing a numeric value

To change a numeric value (for example, a setpoint or filter time), select the value tile on the edit screen. The numeric editor shows the present value with the allowed range. The digit being edited is underlined in red.

- Use « and » to move to the digit you want to change.
- Use – and + to decrease or increase that digit.
- Press ✓ to accept the value, or × to cancel.

A value shown in red on an edit screen is outside its allowed range or conflicts with a related setting and must be corrected before it can be saved.

3.4.7 Entering text (tags)

Circuit tags and temperature sensor tags are entered with the text editor. The tag is shown with the cursor character underlined in red, and a character table below it highlights the selected character. The character table contains A–Z, 0–9, and the symbols / - . () #. Tags can be up to 19 characters long.

- Use « and » to move the cursor to the previous or next character position.
- Use – and + to step to the previous or next character in the table, or ^^ and vv to move up or down a row of the table.
- Select **Clear Remaining** to delete all characters from the cursor to the end of the tag, or **Clear All** to delete the whole tag.
- Press ✓ to save the tag, or × to cancel.

Each circuit tag must be unique on the module.



Figure 3.7 Text editor

3.4.8 Passcode protection

The Elexant 7300i provides a four-digit passcode (0000 to 9999) to protect its configuration. With a passcode set, you may view any part of the configuration, but when you try to change a setting you are prompted to enter the passcode. Enter the passcode with the numeric editor (Section 3.4.6).

Once the configuration is unlocked, you may change any setting. The module re-locks automatically after a period of keypad inactivity.

IMPORTANT: Setting the passcode to 0 disables passcode protection. The Passcode setting then shows NOT USED.

NOTE: Alarms can be viewed and reset without entering the passcode.

To set or change the passcode, go to **Device Settings > General Settings > Passcode**. Enter the present (old) passcode, then enter the new passcode. If the passcode has been lost, press  on the passcode screen for recovery information, or contact your Chemelex representative.

3.4.9 Switching between circuits

Each Circuit Menu applies to one circuit only. To work on the other circuit, press  to return to the Home screen and select the other circuit. Unlike the 920 A/B key, switching circuits returns you to the top of the Circuit Menu rather than to the same parameter.

3.4.10 Quick notes on operation

- Select a circuit on the Home screen to monitor, configure, or reset alarms for that circuit.
- Press  on the Home screen for settings common to the whole module.
- Use the key beside a row to select it; rows with an arrow marker can be selected.
- Use « and » to change pages; ← to go back;  to go Home.
- On an edit screen, press ✓ to save or × to cancel.

SECTION 4 – HOME SCREEN AND ALARMS

4.1 START-UP

When power is applied, the module shows the Raychem start-up screen while it initializes, then displays the Home screen. Each module applies a short start-up delay based on its serial number before it begins normal operation. Modules in the same panel may therefore complete start-up at slightly different times; this is normal.

4.2 HOME SCREEN

The Home screen (Select Circuit) is the default screen. It shows the following for each circuit:

Item	Description
Circuit tag	The circuit name (default CIRCUIT#1, CIRCUIT#2)
Control	Present control temperature. "--" indicates that no valid control temperature is available.
Setpoint	Control setpoint
On / Off	Output state. On (green) indicates the heater output is energized.
Alarm count	Number of active alarms on the circuit

Circuits that are not in use (see Circuits Used, Section 6.2), (such as the third circuit, which is not available in the Elexant 7300i-ST1 or Elexant 7300i-ST3), are shown greyed out and cannot be selected. Press the key beside a circuit to open its Circuit Menu. Press  to open System Alarms, or  to open Device Settings.

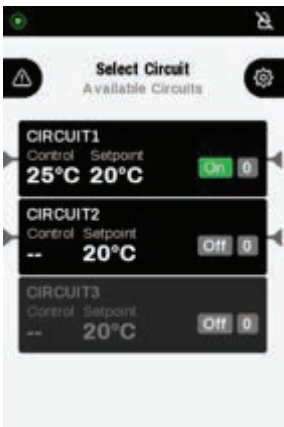


Figure 4.1 Home screen

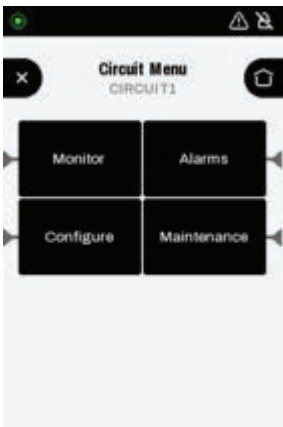


Figure 4.2 Circuit Menu

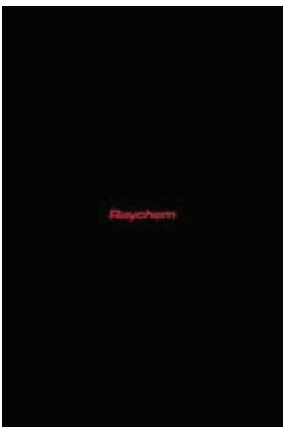


Figure 4.3 Start-up screen

4.3 ALARMS

When an alarm occurs, the alarm symbol appears in the status bar, the alarm count on the Home screen increases, and the alarm relay operates according to the Alarm Annunciator settings (Section 6.2). Alarms can be viewed and reset from the Alarms screens.

4.3.1 Circuit alarms

Select a circuit on the Home screen and choose **Alarms**. The screen lists each active alarm for the circuit. If there are no active alarms, the screen shows No Alarms.

4.3.2 System alarms

Press  on the Home screen to open System Alarms. This list shows alarms that relate to the module as a whole rather than to a single circuit, such as Device Reset and internal memory or diagnostic alarms.

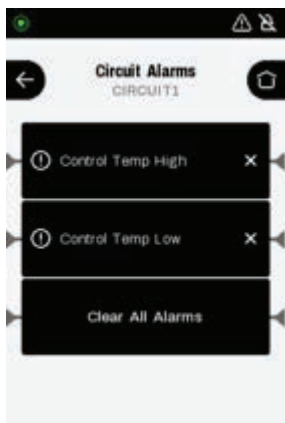


Figure 4.4 Circuit Alarms

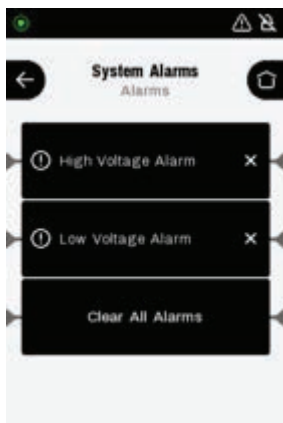


Figure 4.5 System Alarms

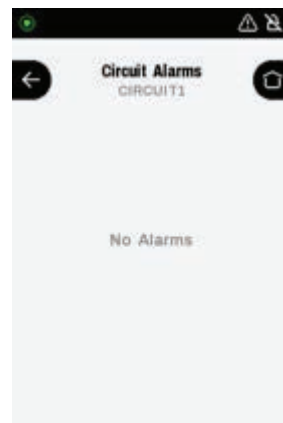


Figure 4.6 No active alarms

4.3.3 Resetting alarms

To reset one alarm, press the key beside the alarm (marked **x**). To reset all alarms in the list, select **Clear All Alarms**.

A **non-latching** alarm clears automatically when the alarm condition is no longer present. A latching alarm remains active until it is reset, even if the condition has cleared. If an alarm is reset while its condition is still present, it is annunciated again once the alarm filter time has elapsed.

IMPORTANT: A Ground Fault Trip turns the circuit output off and holds it off until the alarm is reset. Investigate and correct the cause of a ground fault before resetting the trip.

The latched ground-fault value shows the highest ground-fault current recorded while the alarm was active.

4.3.4 Alarm messages

Table 4.1 lists the alarms and the screen where the related reading can be checked. Alarm settings, defaults, and ranges are listed in Appendix A.

Alarm	Cause	Related reading
Control Temp High / Low	Control temperature above / below the alarm setpoint	Monitor > Temperature
Control Temp Failure	No valid control temperature from any assigned source	Monitor > Temperature
TSn High / Low	Temperature sensor n above / below its alarm setpoint	Monitor > Temperature
TSn Failure	Temperature sensor n open, shorted, or unsupported sensor type connected	Monitor > Temperature
Temp. Source Failure	Assigned temperature source not providing a valid reading	Monitor > Temperature
High Limit Cutout	A temperature source used for high limit has exceeded the cutout temperature; output is off	Monitor > Temperature
High / Low Line Current	Load current above / below the alarm setpoint (ST3: per phase)	Monitor > Electrical
Overcurrent Trip	Load current exceeded the SSR rating; output inhibited	Monitor > Electrical
Switch Failure	The output switch has failed in the closed (on) position	Monitor > Electrical
High GF Current	Ground-fault current above the alarm setpoint	Monitor > Electrical
GF Current Trip	Ground-fault current above the trip setpoint; output latched off	Monitor > Electrical
GF CT Failure	Internal ground-fault sensing failure; output inhibited — replace the module	—
High / Low Voltage	Voltage above / below the alarm setpoint	Monitor > Electrical
High / Low Resistance	Heater resistance deviates from nominal by more than the alarm setting	Monitor > Electrical
Power / Switch / C.B. Limiting	Output duty cycle is being limited (SSR only)	Monitor > Electrical
Contactors Cycle Count	Contactors cycles exceed the alarm setpoint	Maintenance > Misc.
Heater On Time	Heater on-time exceeds the alarm setpoint	Maintenance > Misc.
Device Reset	The module restarted (power cycle, transient, or internal restart)	Maintenance > Misc. (Hours Since Reset)
User Configuration Lost	User settings lost and replaced by factory defaults; output inhibited	Reconfigure the module
Maintenance Data Lost	Maintenance data lost and reset to zero	Maintenance
Factory Configuration Lost	Factory configuration (including calibration) lost	Replace the module
Low Storage Capacity	Internal memory nearing end of life	Plan module replacement
EEROM Data Fail	Non-volatile memory data error	—

Table 4.1 Alarm messages

SECTION 5 – CIRCUIT MENU

Select a circuit on the Home screen to open its Circuit Menu. The Circuit Menu has four functions:

Function	Use
Monitor	View live temperature and electrical readings (Section 5.1)
Alarms	View and reset the circuit’s active alarms (Section 4.3.1)
Configure	Examine or change the circuit configuration (Section 5.2)
Maintenance	View and reset maintenance data, run tests, and load circuit defaults (Section 5.3)

Settings made in the Circuit Menu apply only to the selected circuit and must be configured for each circuit in use.

5.1 MONITOR

Monitor shows live readings for the circuit. Readings are updated in real time. Monitor has two sub-menus, Temperature and Electrical.

5.1.1 Temperature

Page	Reading	Description
1	Control	Control temperature used by the control algorithm
1	Setpoint	Control setpoint
1	Heater	Output state: On or Off
1	Duty Cycle	Output duty cycle (%) in proportional modes
1	Control Mode	Present switch control mode
1	Control Output	SSR or Contactor
2	Temp. Source 1	Temperature measured by source 1 (“--” if no valid reading)
2	Temp. Source 1 Type	Sensor type (3 Wire 100 Pt)
2	Temp. Source 1 Used For	CNTL (control), high limit, or None
3	Temp. Source 2 ...	As for Temp. Source 1

5.1.2 Electrical

Reading	Description
Load Current	Heater current (A). On the 7300i-ST3, load current is shown for each of the three phases.
Ground Fault	Ground-fault leakage current (mA)
Voltage	Circuit voltage (V)
Resistance	Calculated heater resistance (Ω). “Open Circuit” is shown when no current flows while the output is on.
Power	Heater power (W or kW)
Heater	Output state: On or Off

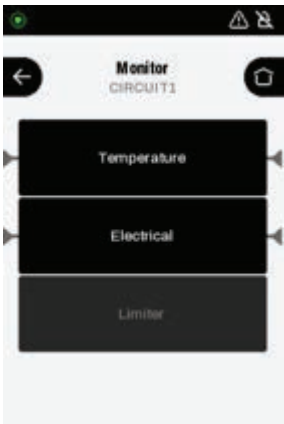


Figure 5.1 Monitor menu

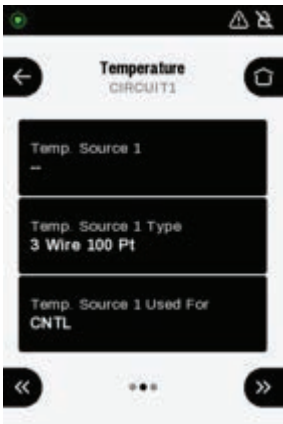


Figure 5.2 Temperature, page 2



Figure 5.3 Electrical

5.2 CONFIGURE

Configure lets you examine or change the circuit configuration. The Configure menu contains Modbus, Control Setup, Temp. Source, and Electrical. (Quick Settings and Limiter are not available on this model.)

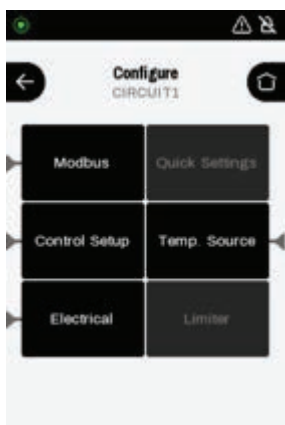


Figure 5.4 Configure menu

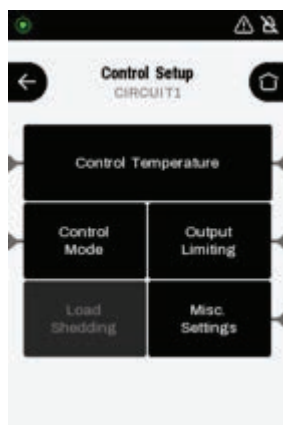


Figure 5.5 Control Setup

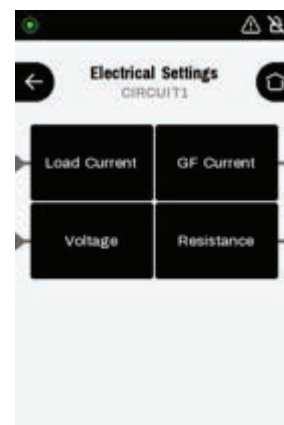


Figure 5.6 Electrical Settings

5.2.1 Modbus

Parameter	Range	Notes
MODBUS Address	1 to 247	Modbus address of this circuit. Each circuit has its own address. Common port settings are in Device Settings > Communication Settings (Section 6.3).

NOTE: 920-style Modbus sub-addressing is not supported. Assign each circuit a unique Modbus address.

5.2.2 Control Setup — Control Temperature

Configure > Control Setup > Control Temperature sets the setpoint, how the control temperature is derived from the temperature sources, what happens if the control temperature fails, and the control-temperature alarms.

Page	Parameter	Range / options	Notes
1	Set Point	–60 to 570°C (–76 to 1058°F)	Control setpoint
1	TS Control Mode	Source 1, Source 2, Average, Lowest	Which temperature source(s) are used for control
1	Fail to Good	Enabled / Disabled	With Source 1 or Source 2 selected: if that source fails, control continues on the other source. With Average or Lowest: if one source fails, control continues on the good source.
1	Fail Mode	Fail On, Fail Off	Output state if no valid control temperature is available
2	High Temperature Alarm	Enable/Disable; setpoint –60 to 570°C; filter 0 to 59,940 s; Latch	Control temperature above setpoint
2	Low Temperature Alarm	Enable/Disable; setpoint –60 to 570°C; filter 0 to 59,940 s; Latch	Control temperature below setpoint
2	Control Temp. Failure Alarm	Enable/Disable; filter 0 to 59,940 s	Always latching; latch is not configurable
3	High Limit Temp. Cutout Alarm	Enable/Disable	Status of the high limit cutout. See Section 5.2.6.

The TS Control Mode and Fail to Good settings together replace the 920 TS CTL MODE list. For example, the 920 setting TS 1-FAIL TO TS 2 corresponds to TS Control Mode = Source 1 with Fail to Good enabled; AVERAGE-FAIL OFF corresponds to Average with Fail to Good disabled and Fail Mode = Fail Off.



Figure 5.7 Control Temperature, page 2



Figure 5.8 TS Control Mode

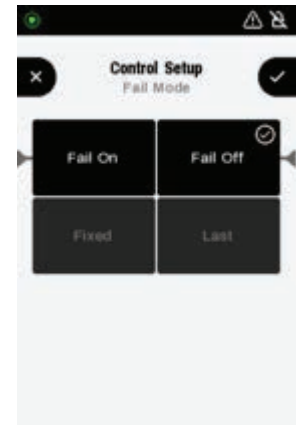


Figure 5.9 Fail Mode

5.2.3 Control Setup — Control Mode

Configure > Control Setup > Control Mode selects the switch control mode. Select Control Mode Config to set the parameters for the selected mode.

Switch Control Mode	Operation	Control Mode Config Parameters
Deadband	On/off control. The output turns on below the setpoint and off when the temperature rises above the setpoint plus the deadband.	Deadband: 1 to 50°C
Proportional	The output duty cycle is proportioned across the proportional band below the setpoint. For SSR outputs.	Prop. Band: 1 to 50°C
Proportional Ambient	Proportional control based on ambient temperature, used for ambient-sensing applications.	Control Output: SSR or Contactor; Prop. Band: 1 to 50°C; Cycle Time (Contactor only)
Always On	Output is always on. Alarms and protection functions remain active.	—
Always Off	Output is always off.	—

The Control Output setting (SSR or Contactor) must match the switching device wired to the circuit. See the installation instructions for SSR and contactor wiring.

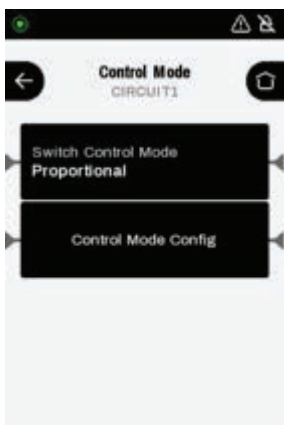


Figure 5.10 Control Mode



Figure 5.11 Deadband

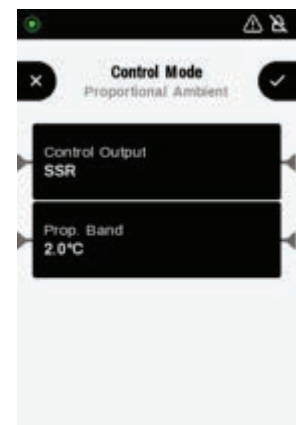


Figure 5.12 Proportional Ambient

5.2.4 Control Setup — Output Limiting

Output limiting reduces the output duty cycle to protect the heater, switch, and branch circuit. Output limiting is available with SSR outputs only.

Parameter	Range / options	Notes
Output Limiting Mode	Disabled, Power, Load Current, Duty Cycle	Selects the limiting method
Power Limiting > Max Power	3 to 33,000 W	Maximum heater power
Power Limiting > Alarm Config	Enabled / Disabled	Power Limiting alarm; non-latching (not configurable)
Switch Limiting > Switch Rating	0.3 to 100.0 A	Current rating of the output switch
Switch Limiting > Alarm Config	Enabled / Disabled	Switch Limiting alarm; non-latching (not configurable)
C.B. Limiting > C.B. Rating	0.3 to 100.0 A	Rating of the branch circuit breaker. Soft-start limiting follows a NEMA Type C breaker trip curve.
C.B. Limiting > Alarm Config	Enabled / Disabled	Circuit Breaker Limiting alarm; non-latching (not configurable)

NOTE: On the Elexant 7300i-ST3, power, switch, and circuit-breaker limiting are calculated from phase A.

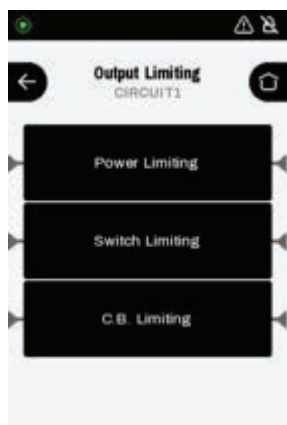


Figure 5.13 Output Limiting

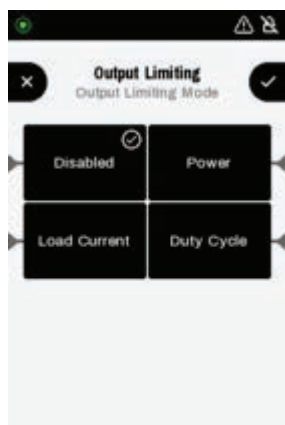


Figure 5.14 Output Limiting Mode

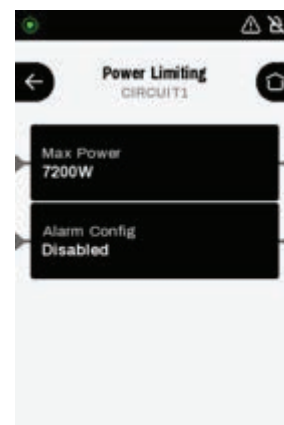


Figure 5.15 Power Limiting

5.2.5 Control Setup — Misc. Settings

Page	Parameter	Range / options	Notes
1	Circuit Tag	Up to 19 characters	Circuit name shown on the Home screen and in headers (Section 3.4.7)
1	Auto-Cycle > Enable	Enabled / Disabled	Periodically energizes the circuit to verify circuit integrity
1	Auto-Cycle > Interval	1 to 750 hours or 1 to 45,000 minutes	Time between auto-cycles
1	Auto-Cycle > Unit	Hours, Minutes	
1	Override Source	Remote, External Input	Source of the output override command: Remote (Modbus) or the external digital input
2	Contactor Cycle Count Alarm	Enable/Disable; 0 to 999,999; Latch	Available with contactor outputs only
2	Heater On Time Alarm	Enable/Disable; hours; Latch	Heater on-time exceeds the setpoint

IMPORTANT: Auto-cycle energizes the heat-tracing circuit for 15 seconds so that electrical alarms can be detected when the circuit would otherwise be off. Keep the filter times of the current and voltage alarms shorter than the auto-cycle on-time; a longer filter prevents these alarms from being detected during the auto-cycle.

The auto-cycle timer continues to run while a Switch Failure alarm is active.

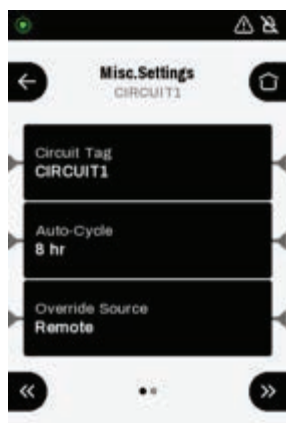


Figure 5.16 Misc. Settings, page 1



Figure 5.17 Auto-Cycle

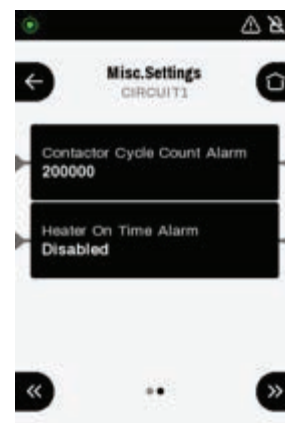


Figure 5.18 Misc. Settings, page 2

NOTE: Load Shedding (Control Setup menu) is not available on this model.

5.2.6 Temp. Source

Each circuit has two temperature sources, **Source 1** and **Source 2**. Each source is permanently assigned to one of the module's RTD inputs, as shown below. The assignment is fixed and cannot be changed. The sensor settings and sensor alarms for TS1 to TS4 are set in Device Settings > Temp. Sensors (Section 6.4).

RTD input	Circuit and source	Terminals
TS1	Circuit 1, Source 1	Column A, terminals 1–3
TS2	Circuit 1, Source 2	Column A, terminals 4–6
TS3	Circuit 2, Source 1	Column A, terminals 7–9
TS4	Circuit 2, Source 2	Column B, terminals 1–3
TS5, TS6	Not used	Column B, terminals 4–9 — Do not connect

NOTE: For RTD wiring, refer to the installation instructions.

Parameter	Range / options	Notes
Input	Fixed (display only)	RTD input assigned to this source: TS1 or TS2 for Circuit 1, TS3 or TS4 for Circuit 2 (see the table above).
Used For	CNTL; High Limit (on/off)	CNTL shows that the source is used for control (see TS Control Mode). Enable High Limit to use this source for the high limit cutout.
Temp. Source Failure Alarm	Enable/Disable; Latch	The assigned source does not provide a valid reading

High limit cutout. When High Limit is enabled for a source and that source exceeds the High TS Temperature setpoint for that sensor (Device Settings > Temp. Sensors, Section 6.4), the circuit output is turned off regardless of the control mode. The High Limit Temp. Cutout Alarm shows the cutout status. Low Limit is not available on this model.

IMPORTANT: Only 3-wire 100 Ω platinum (Pt100) RTDs are supported. If a 2-wire or Ni-Fe RTD is connected, the display will show an RTD error for that input.

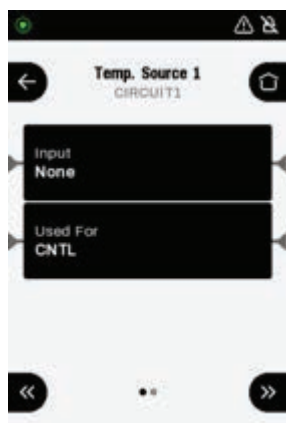


Figure 5.19 Temp. Source 1

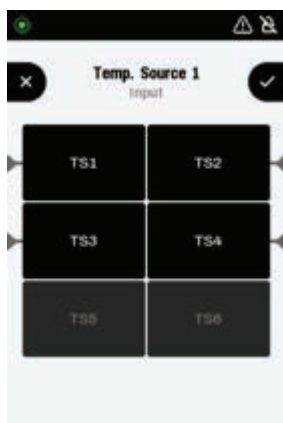


Figure 5.20 Input

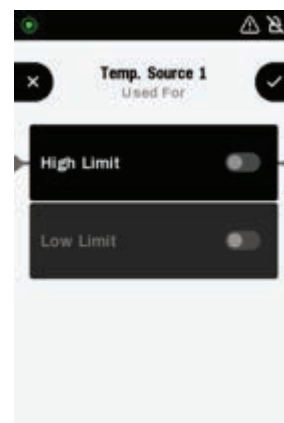


Figure 5.21 Used For

5.2.7 Electrical

Configure > Electrical contains the settings and alarms for Load Current, GF Current, Voltage, and Resistance.

Sub-menu	Parameter	Range / options	Notes
Load Current			
	Current Turns Ratio	0.10:1 to 60.00:1 (entered as 10 to 6000)	Ratio of an external current transformer, if used. 1.0 when no external CT is used.
	Switch Failure Alarm	Enable/Disable	Always latching; latch is not configurable
	Overcurrent Trip	Enable/Disable	SSR only. Inhibits the output when current exceeds the SSR rating.
	High Line Current Alarm	Enable/Disable; 0.3 to 100.0 A; filter 0 to 12 s; Latch	ST3: high and low alarms are provided for each phase
	Low Line Current Alarm	Enable/Disable; 0.3 to 100.0 A; filter 0 to 12 s; Latch	
GF Current			
	High GF Current Alarm	Enable/Disable; 20 to 250 mA; Latch	Ground-fault alarm
	GF Current Trip Alarm	Enable/Disable; 20 to 250 mA	Turns the output off. Always latching.
Voltage			
	Voltage Source	Switch Interface	Source of the voltage measurement
	Voltage Turns Ratio	0.10:1 to 9.90:1 (entered as 10 to 990)	Ratio of a step-down transformer, if used. 1.00 when none is used.
	Low Voltage Alarm	Enable/Disable; 10 to 330 V; filter 0 to 12 s; Latch	Latching by default
	High Voltage Alarm	Enable/Disable; 10 to 330 V; filter 0 to 12 s; Latch	Latching by default
Resistance			
	Nominal	2.00 to 2000.00 Ω	Expected heater resistance
	High Resistance Alarm	Enable/Disable; 1 to 250 % deviation; filter 0 to 12 s	
	Low Resistance Alarm	Enable/Disable; 1 to 100 % deviation; filter 0 to 12 s	

NOTE: On the Elexant 7300i-ST3, resistance calculation, resistance alarms, power calculation, switch failure detection, and output limiting use phase A.

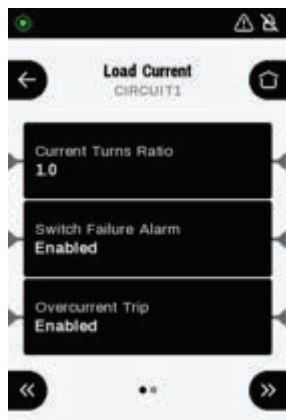


Figure 5.22 Load Current

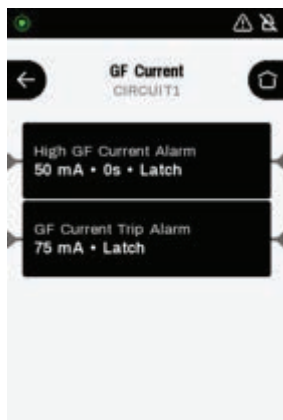


Figure 5.23 GF Current

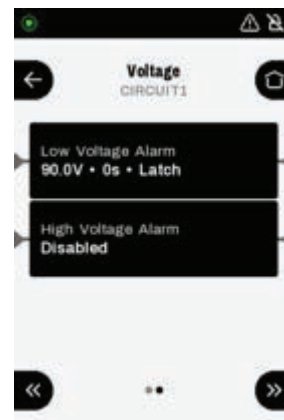


Figure 5.24 Voltage, page 2

5.3 MAINTENANCE

Maintenance shows stored maintenance data and provides tests and default loading for the circuit. The Maintenance menu contains Temperature, Electrical, and Misc. on page 1, and Test and Load Default Settings on page 2.

5.3.1 Temperature

Shows the minimum and maximum temperatures recorded for Control, Source 1, and Source 2 (TS1 and TS2 for Circuit 1; TS3 and TS4 for Circuit 2). Select **Reset All** to reset the minimum and maximum values.

5.3.2 Electrical

Value	Description	Resettable
Ground Fault Max	Highest ground-fault current recorded (mA)	Yes (Y)
Load Current Max	Highest load current recorded (A)	Yes (Y)
Accumulated Power	Energy delivered to the heater (kWh)	Yes (Y)

5.3.3 Miscellaneous

Value	Description	Resettable
Hours Since Reset	Hours since the module last restarted	No
Hours In Use	Total hours in service	Yes (Y)
Heater On Time	Total hours the output has been on	Yes (Y)
Contactor Cycle Count	Number of contactor operations	Yes (Y)

To reset a value, press the key beside it.

5.3.4 Test

Status Lights runs a test of the LEDs and display, equivalent to the 920 DISPLAY TEST. Press any key to end the test.

5.3.5 Load Default Settings

Restores all settings of the selected circuit to the factory defaults. Settings of the other circuit and the Device Settings are not changed. To restore every setting on the module, use Device Settings > System Settings > Load Default Settings (Section 6.2).

WARNING: Loading default settings overwrites the circuit configuration, including setpoints and alarm settings. Record the existing configuration before loading defaults, and reconfigure the circuit before returning it to service.

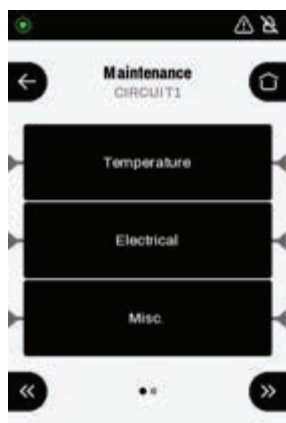


Figure 5.25 Maintenance menu



Figure 5.26 Electrical

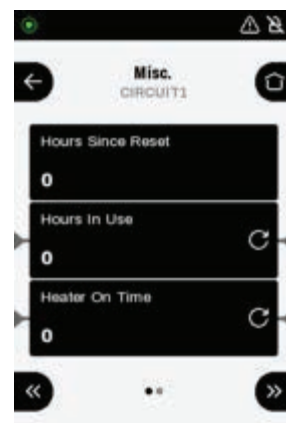


Figure 5.27 Misc.

SECTION 6 – DEVICE SETTINGS

Press  on the Home screen to open Device Settings. These settings are common to the whole module and are set only once. The Device Settings menu contains General Settings, System Settings, and Communication Settings on page 1, and Temp. Sensors and About on page 2.

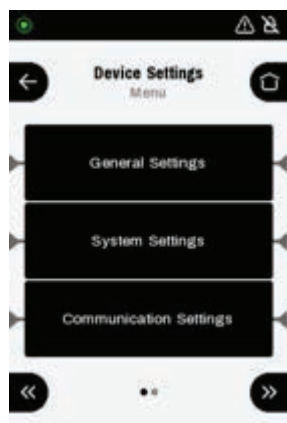


Figure 6.1 Device Settings, page 1

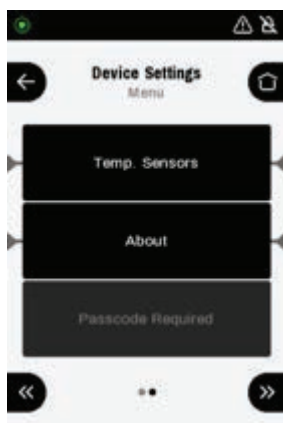


Figure 6.2 Device Settings, page 2



Figure 6.3 General Settings

6.1 GENERAL SETTINGS

Parameter	Options	Notes
Temperature Units	Celsius, Fahrenheit	Units for all temperature displays and settings
Language	English, Français	Display language
Passcode	0 to 9999 (0 = NOT USED)	See Section 3.4.8

6.2 SYSTEM SETTINGS

Page	Parameter	Options	Notes
1	Circuits Used	CCT1, CCT2 (on/off)	Circuits in use. Unused circuits are greyed out on the Home screen and do not annunciate alarms.
1	Device Reset Alarm	Enable/Disable	Alarm when the module restarts
1	Alarm Annunciator > Mode	Normal, Flash	Normal: relay remains in the alarm state while an alarm is active. Flash: relay toggles while an alarm is active.
1	Alarm Annunciator > Polarity	N.O., N.C.	Alarm relay contact state in the alarm condition
2	External Input	NOT USED, Inhibit, Force On	Function of the external digital input
2	External Output	NOT USED, Inhibit	Function of the external digital output
2	3-Phase Calculation	Enable/Disable; Phase Type (Wye)	Calculates power for a three-phase load
3	Load Default Settings	—	Restores all module settings to the factory defaults

NOTE: TEMPBUS (sharing an RTD between controllers) is not supported. Each circuit must have its own RTD.

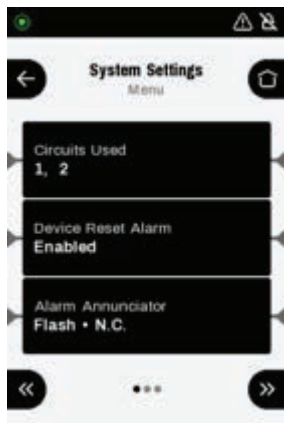


Figure 6.4 System Settings, page 1

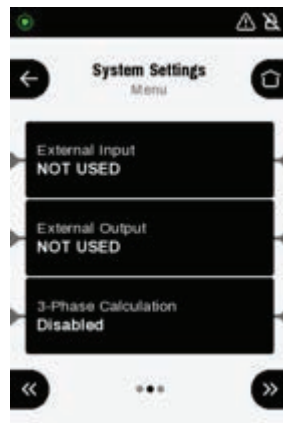


Figure 6.5 System Settings, page 2

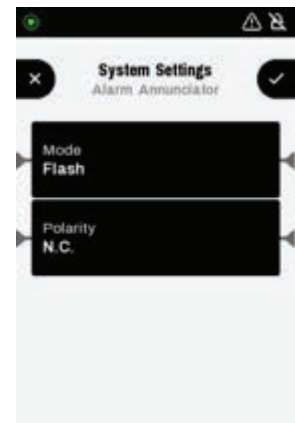


Figure 6.6 Alarm Annunciator

6.3 COMMUNICATION SETTINGS

The Communication Settings menu contains Modbus and BLE. (Canbus and Ethernet are not available on this model.)

6.3.1 Modbus

Page	Parameter	Options	Notes
1	Protocol	MODBUS-RTU 920 (display only)	Modbus RTU with Raychem 920 Modbus emulation. The controller appears as a Raychem 920 to upstream devices.
1	Baud Rate	9600, 19200, 38400, 57600	Must match the host
1	Stop Bits	1, 2	Must match the host
2	Parity	None, Even, Odd	Must match the host
2	Tx Delay	milliseconds	Delay before the controller responds

The Modbus address of each circuit is set in the Circuit Menu (Section 5.2.1).

6.3.2 BLE

Parameter	Options	Notes
MAC	Display only	Bluetooth address of the module
Enabled	On / Off	Enables or disables Bluetooth

6.3.3 Cybersecurity

To help protect the Elexant 7300i against unauthorized access, set a passcode, disable Bluetooth when it is not in use, restrict physical access to the enclosure, and connect the RS-485 port only to trusted devices and networks.

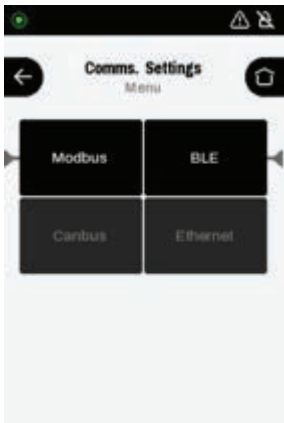


Figure 6.7 Communication Settings

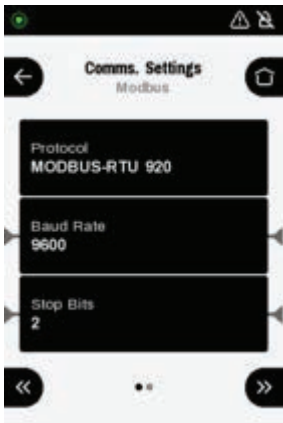


Figure 6.8 Modbus, page 1



Figure 6.9 BLE

6.4 TEMP. SENSORS

Temp. Sensors contains the settings for each RTD input, TS1 to TS4. Select a sensor to view its settings. Each input is permanently assigned to a circuit and source, and is wired to the terminals shown below. TS5 and TS6 are not available on this model.

RTD input	Circuit and source	Terminals
TS1	Circuit 1, Source 1	Column A, terminals 1-3
TS2	Circuit 1, Source 2	Column A, terminals 4-6
TS3	Circuit 2, Source 1	Column A, terminals 7-9
TS4	Circuit 2, Source 2	Column B, terminals 1-3
TS5, TS6	Not used	Column B, terminals 4-9 — Do not connect

NOTE: For RTD wiring, refer to the installation instructions.

Page	Parameter	Range / options	Notes
1	Tag	Up to 19 characters	Sensor name (Section 3.4.7)
1	Type	Pt100 (display only)	3-wire 100 Ω platinum RTD
2	High TS Temperature	Enable/Disable; -60 to 570°C; filter 0 to 59,940 s; Latch	Sensor temperature above setpoint
2	Low TS Temperature	Enable/Disable; -60 to 570°C; filter 0 to 59,940 s; Latch	Sensor temperature below setpoint
2	TS Failure	Enable/Disable; filter 0 to 59,940 s; Latch	Sensor open, shorted, or unsupported

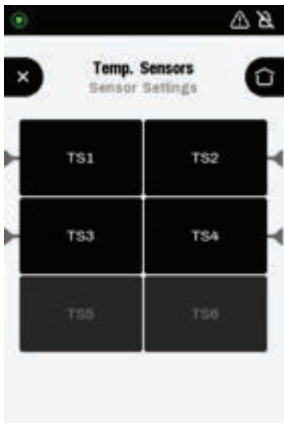


Figure 6.10 Temp. Sensors

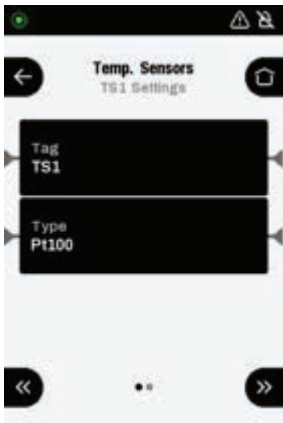


Figure 6.11 TS1 Settings, page 1

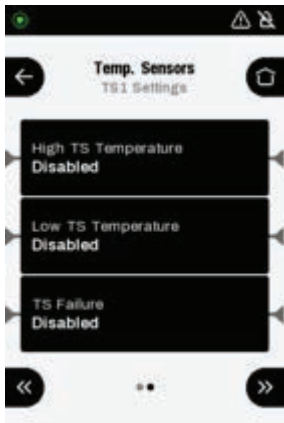


Figure 6.12 TS1 Settings, page 2

6.5 ABOUT

About shows the Model (Elexant 7300i-ST1 or Elexant 7300i-ST3), Firmware Version, Manufacture Date, and Serial Number of the module. Have this information available when contacting Chemelex for support.

6.6 FIRMWARE UPDATE

Firmware updates are performed over Bluetooth by Chemelex service personnel or authorized representatives. Contact your Chemelex representative for firmware update information. During an update the display shows the progress of each firmware component (for example, “2 of 3”).

WARNING: Do not remove power from the module while a firmware update is in progress.

If an update does not complete, the display shows an error message (for example, “Firmware update timed out”). Press × (Close) to exit and contact your Chemelex representative.



Figure 6.13 About

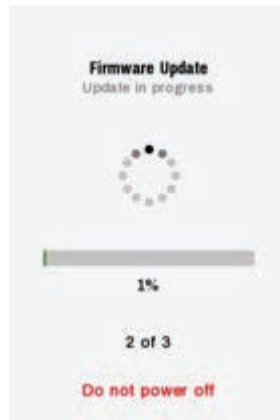


Figure 6.14 Update in progress



Figure 6.15 Update error

SECTION 7 – MAINTENANCE

7.1 OPERATOR MAINTENANCE

The Elexant 7300i is designed to be maintenance-free. No regular maintenance should be required. Periodically review the maintenance data (Section 5.3) and alarm history as part of your heat-tracing maintenance program. Clean the module and enclosure with a soft, damp cloth only.

7.2 REPLACEABLE PARTS

There are no user-serviceable parts in the Elexant 7300i module and it shall not be opened. The module mounts on a DIN rail and can be replaced in the field; refer to the installation instructions. Modules that appear inoperative should be returned to the nearest Chemelex Service Center.

WARNING: Tampering with Elexant 7300i components without approval from Chemelex could void the product warranty and may impair suitability for Class I, Division 2 and Zone 2 hazardous locations.

SECTION 8 – SPECIFICATIONS

Parameter	Value
User interface	
Display	3.5-inch diagonal graphical LCD
Keypad	10 keys (5 each side of the display)
Status LEDs	Module Status, Circuit 1 Status, Circuit 2 Status, Bluetooth Status, RS-485 Status
Languages	English, French
Temperature units	°C or °F
Memory	Non-volatile; settings and maintenance data retained through power loss
Ratings	
Supply voltage	100–277 Vac ±10%, 50/60 Hz
Ambient operating temperature	–40°C to +55°C (–40°F to +131°F)
Ambient storage temperature	–60°C to +70°C (–76°F to +158°F)
Relative humidity	5% to 90%, non-condensing
Max altitude	2,000 m (6,562 ft)
Approvals	
cULus	Class I, Division 2, Group A, B, C, D T3; Class I, Zone 2, AEx ec IIC T3 Gc; Ex ec IIC T3 Gc
IECEX (pending)	IECEX UL 26.0018X, Ex ec IIC T3 Gc
ATEX (pending)	UL 26 ATEX 3522X, II 3 G Ex ec IIC T3 Gc

IMPORTANT: Specifications are subject to change without notice. Refer to the Elexant 7300i datasheet (RAYCHEM-DS-N10205) and installation instructions (RAYCHEM-IM-N10197) for complete specifications.

APPENDIX A ALARM REFERENCE

The table lists each alarm with its factory default, setting range, filter range, and latching behavior. “Configurable” means the latch can be turned on or off; “Fixed” means it cannot.

Alarm	Default	Setting range	Filter	Latching
Temperature				
Control Temp High	Disabled	–60 to 570°C	0–59,940 s	Non-latching, configurable
Control Temp Low	Disabled	–60 to 570°C	0–59,940 s	Non-latching, configurable
Control Temp Failure	Enabled	Enable/Disable	0–59,940 s	Latching, fixed
TS High (TS1–TS4)	Disabled	–60 to 570°C	0–59,940 s	Non-latching, configurable
TS Low	TS1: Enabled, –10°C	–60 to 570°C		Non-latching, configurable
	Others: Disabled		0–59,940 s	
TS Failure	TS1: Enabled	Enable/Disable	0–59,940 s	Non-latching, configurable
	Others: Disabled			
High Limit Cutout	Disabled	Enable/Disable	—	Output override (turns output off)
Current				
High Line Current	Disabled	0.3 to 100.0 A	0–12 s	Non-latching, configurable
Low Line Current	Disabled	0.3 to 100.0 A	0–12 s	Non-latching, configurable
High / Low Line Current, phases 2 and 3 (ST3 only)	Disabled	0.3 to 100.0 A	0–12 s	Non-latching, configurable. Local display only; not available through 920 Modbus emulation.
Overcurrent Trip (SSR)	Disabled	Enable/Disable	—	Non-latching, fixed
Ground fault				
High GF Current	Enabled, 20 mA	20 to 250 mA	—	Latching, configurable
GF Current Trip	Enabled, 30 mA	20 to 250 mA	—	Latching, fixed
GF CT Failure	Automatic	—	—	Latching, fixed
Voltage and Resistance				
High Voltage	Disabled	10 to 330 V	0–12 s	Latching, configurable
Low Voltage	Disabled	10 to 330 V	0–12 s	Latching, configurable
High Resistance	Disabled	1 to 250 %	0–12 s	Configurable
Low Resistance	Disabled	1 to 100 %	0–12 s	Configurable
Output and Protection (SSR)				
Power Limiting	Disabled	Enable/Disable	—	Non-latching, fixed
Switch Limiting	Disabled	Enable/Disable	—	Non-latching, fixed
C.B. Limiting	Disabled	Enable/Disable	—	Non-latching, fixed
Switch Failure	Enabled	Enable/Disable	—	Latching, fixed
Maintenance				
Contactor Cycle Count	Disabled	0 to 999,999 cycles	—	Non-latching, configurable
Heater On Time	Disabled	Hours	—	Non-latching, configurable
System				
Device Reset	Disabled	Enable/Disable	—	Non-latching, configurable
User Configuration Lost	Automatic	—	—	Latching, fixed
Maintenance Data Lost	Automatic	—	—	Latching, fixed
Factory Configuration Lost	Automatic	—	—	Latching, fixed
Low Storage Capacity	Automatic	—	—	Non-latching, fixed
EEROM Data Fail	Disabled	Enable/Disable	—	Latching, configurable

APPENDIX B 920 CONSOLE TO ELEXANT 7300i CROSS-REFERENCE

Use this table to find the Elexant 7300i location of a 920 operator console function or parameter. Paths start from the Circuit Menu unless they begin with Home or Device Settings.

920 console	Elexant 7300i
Modes and Keys	
SCAN mode	Home screen
SHIFT + ALARM	Alarms (per circuit); Home > ⚠ System Alarms
SHIFT + MONITOR	Monitor
SHIFT + CONFIG	Configure; Home > ⚙ Device Settings
A/B	Home > select circuit
Monitor Menu	
CONTROL TEMP, TS 1 TEMP, TS 2 TEMP	Monitor > Temperature
LOAD, RESIST, GFI, VOLT, POWER	Monitor > Electrical
TEST TRACING	Not available
DISPLAY TEST	Maintenance > Test > Status Lights
MAINTENANCE DATA...	Maintenance > Temperature / Electrical / Misc.
Configure Main Menu and Alarms	
CONTROL SETPOINT	Configure > Control Setup > Control Temperature > Set Point
LO/HI TS 1, LO/HI TS 2, TS 1/2 FAIL	Device Settings > Temp. Sensors > TS _n
LO TS FILTER / HI TS FILTER	Filter setting of each temperature alarm
LATCH TS ALARMS	Latch setting of each temperature alarm
CTL TS FAIL	Control Temperature > Control Temp. Failure Alarm
LO/HI LOAD (and filters)	Configure > Electrical > Load Current
HI GFI, GFI TRIP	Configure > Electrical > GF Current
LO/HI VOLT (and filters)	Configure > Electrical > Voltage
LO/HI RESIST, NOMINAL RESIST	Configure > Electrical > Resistance
OVERCURRENT TRIP, SWITCH FAIL	Configure > Electrical > Load Current
HTC RESET	Device Settings > System Settings > Device Reset Alarm
C.B. / POWER / SWITCH LIMITING	Configure > Control Setup > Output Limiting
CONTACTOR COUNT	Configure > Control Setup > Misc. Settings (page 2)
EEROM DATA FAIL	System alarm (Appendix A)
Point Setup	
TAG	Configure > Control Setup > Misc. Settings > Circuit Tag
SWITCH CONTROL MODE	Configure > Control Setup > Control Mode
DEADBAND, PROP BAND, CYCLE TIME	Control Mode > Control Mode Config
SWITCH RATING, CIRCUIT BREAKER, MAX POWER	Output Limiting > Switch / C.B. / Power Limiting
3 PH PWR CALC	Device Settings > System Settings > 3-Phase Calculation
TS FAIL MODE	Control Temperature > Fail Mode
TS CTL MODE	Control Temperature > TS Control Mode and Fail to Good
TS 1/2 TYPE	Pt100 only
TS 1/2 LEAD RESIST	Not applicable (Ni-Fe only)
TS 1/2 HI LIMIT	Configure > Temp. Source > Source n > Used For > High Limit
VOLT SOURCE, FIXED VOLT, VOLT TURNS RATIO	Configure > Electrical > Voltage
CURRENT TURNS RATIO	Configure > Electrical > Load Current
AUTO-CYCLE, INTERVAL, UNITS	Configure > Control Setup > Misc. Settings > Auto-Cycle
OVERRIDE SOURCE	Configure > Control Setup > Misc. Settings
LOAD SHEDDING	Not available

920 console	Elexant 7300i
Common Setup	
TEMP UNITS, LANGUAGE, PASSCODE	Device Settings > General Settings
VERSION	Device Settings > About
EXT. INPUT, EXT. OUTPUT	Device Settings > System Settings (TEMPBUS not supported)
FLASH ALARM OUTPUT, ALARM OUTPUT	Device Settings > System Settings > Alarm Annunciator (Mode, Polarity)
POINT B USED	Device Settings > System Settings > Circuits Used
SCROLL DELAY	Not applicable
COPY CONFIG: DEFAULTS TO A / B	Maintenance > Load Default Settings
COPY CONFIG: DEFAULTS TO COMMON	Device Settings > System Settings > Load Default Settings
COPY CONFIG: A TO B, B TO A	Not available
LOCK / UNLOCK DATABASE	Passcode (Section 3.4.8)
Communications Setup	
PROTOCOL	Communication Settings > Modbus (Modbus RTU only)
MODBUS ADDR	Configure > Modbus > MODBUS Address
HTCBUS ADDR, MODBUS SUB ADDR	Not supported
BAUD RATE, PARITY, Tx DELAY	Communication Settings > Modbus
HARDWARE, DRIVER, PROFILE	Not applicable (RS-485 only)

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