WarmlyYours
Radiant Heating

WarmlyYours nSpire Touch WiFi Thermostat Controller Integration Notes For ELAN Home Automation

Integration Note

Manufacturer:	WarmlyYours
Model Number(s):	**nSpire**
g! Core Module Version:	8.3
Driver Developer	annex4
Document Revision Date	12/12/2019
Support Email	elan@warmlyyours.com

Overview & Supported Features

This driver is a Thermostat Interface for the WarmlyYours nSpire Thermostat.
It allows cloud control over nSpire thermostats, offering realtime feedback from external sources.

THE FOLLOWING OPTIONS ARE SUPPORTED BY THIS DRIVER:

- Automatic addition of thermostat devices.
- Changing modes (heat, off)
- Changing the setpoint for heat
- Scheduling through ELAN
- Realtime feedback of thermostat settings updated to ELAN Core.

THE FOLLOWING OPTIONS ARE NOT SUPPORTED BY THIS DRIVER:

- Fan Modes
- Humidity

Any feature not specifically noted as supported should be assumed to be unsupported.

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nSpire Thermostat Configuration

1. Install the nSpire thermostat on site.
2. Verify that the thermostat is available at https://mythermostat.info/
3. Verify that the thermostat is controllable from the cloud portal.

g! Configuration

As with all third-party drivers these do not reside in the typical listing of drivers from ELAN. To add this driver to an ELAN system:

1. Download the .EDRVC file associated with this document if you do not already have it.
2. Place the .EDRVC file in a location on your computer.
   a. Recommended: \User\<User>\Documents\Elan\Drivers.
3. In the g! Configurator navigate to Communication Devices under Climate.
4. Right click Communication Devices and select “Add New Communication Device…”.
5. Select “WarmlyYours” from the list and click “OK”.
6. The driver should now be visible under the Communication Devices.

Installation Process

It is recommended that you follow the below installation process in order to experience proper functionality with the driver.

1. Select ‘WarmlyYours’ under ‘Communication Devices’
2. Enter the login credentials into the ‘User Name’ and ‘Password’ fields.
3. Click ‘Apply’
4. The Status field should say ‘Logged In’, if it doesn’t verify the login credentials.
5. Click ‘Discover Devices’
   a. Thermostats should be added to the ‘Thermostats’ section

g! Configuration Details

The following table provides settings used in Configurator. In the table below:

• “<User Defined>”, etc	Type in the desired name for the item.
• “<Auto Detect>”, etc.	The system will auto detect this variable.
• “<System>”, etc.	The setting has been automatically set by the system.
• “<Select>”	A dropdown with a list of options.

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Devices	Variable Name	Setting	Comments
Communication Device	Name	<User Defined>	Default “WarmlyYours”
	System #	<System>	Defined by the system to identify the device
	Device Type	<System>	Defined by the system to identify the method of communication
	Driver Name	<System>	Default “WarmlyYours”
	Driver Version	<System>	The current version of the driver
	Driver Version	<System>	The version of the driver
	Driver Vendor	<System>	Annex4
	Installed	<System>	The date and time the driver was installed
	User Name	<User Defined>	The username for the account login
	Password	<User Defined>	The password for the account login
	IP Address	<User Defined>	Can be ignored
	Port	<User Defined>	Can be ignored
Light Device	Name	<User Defined>	The name of the device
	Location	<Select>	The location of the device in the project
	System #	<System>	Defined by the system to identify the device
	Status Color Coding	<System>	
	Status	<System	The status of the driver, green means all good
	Driver Version	<System>	The current version of the driver
	Driver Vendor	<System>	Annex4
	Installed	<System>	The date and time the driver was installed
	Device Type	<System>	nSpire
	Communication Device	<Select>	This should be automatically set, you shouldn’t need to change this
	Address	<System>	The serial number of the thermostat
	Heating Unit	<Select>	This should be automatically set, you can leave it as ‘Default Unit’
	Cooling Unit	<Select>	This should be ‘NONE’ as no cooling unit exists for this thermostat
	Show Usage in History	<Select>	Enable or Disable usage in history

Common Mistakes

- Thermostat is offline but device status shows online.
    i. You are connected to the cloud by the cloud is not connected to the thermostat. Check the thermostats physically to make sure they're connected.
- No thermostat is added to the system upon installation.
    i. Check that the thermostats are connected to the account you're logging in with. Also verify that the username and password are correct.

Elan Developer Partner Information

This ELAN driver was written and supported by:

annex4
Feel free to contact us for feature requests, bug reports, or assistance with the driver.
TheDesk@annex4.com

Properties

Property	Description	
Auto Update	Enables or disables real time updates of the driver from annex4	
	For support of this property the annex4 LiNK driver is required	
Driver Version	The current version of the driver	
Server Version	The server version of the driver	
	For support of this property the annex4 LiNK driver is required	
Debug Mode	Reports information to the log and Lua output window	
	Modes	
	Debug	Reports the data being moved around
	Trace	Reports the flow of the driver
	Info	Reports more critical pieces of information
	Warning	Reports any small issues that arise
	Error	Reports any large issues that arise
	Fatal	Reports issues that cause the driver to fail
Serial ID	The Serial ID of the WarmlyYours nSpire Thermostat	

Actions

Action Name	Description
Update Now	Updates the driver to the latest version

Connections

Control Name	Connection Type	Description
<Group>:<Thermostat> - <ID>	WARMLY_YOURS	The communication binding between the primary driver and a nSpire thermostat endpoint

Notes for the Thermostat Endpoint

1. Changing the thermostat scale to Fahrenheit or Celsius from the Extras tab will only affect the display in Control4. The thermostat itself will not change from what it's currently set to.
2. The value 'Hold Until' for the programming command 'Set Hold Mode to' cannot have a timestamp provided in programming. As such 'Hold Until' will do nothing if you try and run the command in programming.
3. The conditional 'Hold Mode Is' does not support '2 Hours', please use 'Hold Until' in its place.