## I followed these Instructions

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Start by setting a Schedule named I30M as an Interval every 30 minutes. Create a Device Property named HWRelayMode for your relay device's variable ModeTarget.

Add a Condition named\_HWPulse with the expression I30M

Add an Action for condition \_HWPulse, select the Advanced tab and pick your relay device. Select the action SetModeTarget and under NewModeTarget enter {(HWRelayMode)} then click Accept. Close the PLEG control and click Vera's Save button.

What should happen is that every 30 minutes - on the hour and half-hour - PLEG should send the relay the last mode it was set to. This should cause nothing to happen apart from seeing the notification on the relay's UI that the transmission was successful. What it achieves is that the relay knows it is still being controlled and does not perform an emergency shutdown.



Program Logic Event Generator (PLEG)(36)-Armed													
	Logic Inp	uts	ts Conditions (Automation Logic)						Logic Actions		Relationship Graph		
Device Triggers				Schedules and Timers				Device Propertie	Count	ers			
Schedu	ile Name:	IBOM											
Comme	ent:	Enter Sched	lule Description	1									
On Typ	e:	Interval	$\sim$										
Every:		00:30:00											
	m On Time:	HH:MM:SS											
Off Type:		None	$\sim$										
Save Cancel													
Name	On Type	On Time	On Days	Random On Delay	Off After Type	Off Time	Off Days	Random Off Delay	Editor Actions	State	Last True	Last False	
130M	Interval	00:30:00		None	None			None	Edit Remove Toggle Schedul	e State false	2017-01-08 19:00:00.004	2017-01-08 19:00:00.005	

Program Logic	Event Genera	tor (PLEG)[36]-Armed									
Logic Ir	nputs		Conditions (Automatio	n Logic)		L	ogic Actions	Relationship Grap			
	Device Trigger	s	Schedule			Device Properti	es	Cou			
Property Name:	HWRelayMoo	le									
Comment:	Enter Proper	ty Description									
Device:	Hot Water[8]										
Property:	ModeTarget V										
Save Cancel											
Name De	evice Name	Device Variable		Editor Actions	Value	Last Change	Previous Change				
HWRelayMode Ho	t Water[8]	ModeTarget[urn:upnp+	org:serviceId:HVAC_UserOperatingMode1]	Edit Remove	HeatOn	2017-01-08 18:25:01.106	0				

Program Logic Event Generator (PLEG)[36]-Armed											
Logic Inputs			Conditions	(Automation Logic)				Logic Actions			
Condition Name:	_HWPulse										
Comment:	Enter Condition Description										
Cé Option: ei	Repeats Export										
Position in the List:	UP Down										
Legend Select	red Input, LUA or Con	dition Name Op	erator Lite	ral Unknown —	Display	Help					
N Multi Click to select The more clicks the Long Click to insert Syntax Assistant	o select and expression an Enclosing Expression wider the enclosing exp or replace the currently	n. pression.	5).	Insert Before Select	d Replace Se	election	rt After Selected				
c I30M											
Save Cancel											
Name Options	Logic Expression	Editor Actions	Value La	st True (or Last Chan	ge) Last Fa	alse (or Prev	vious Change)				
_HWPulse Repeats	130M	Edit Remove	null 0		2017-01	-08 18:24:51.1	63				

Program Logic Event Generator (PLEG)[36]-Armed										
	Logic Inputs		Conditions (Automation Logic)	Logic Actions						
Name:	_HWPulse									
When:	Condition is True									
Comment	Enter Action Description									
Options:	Repeats Con	vert to Forwarded Action								
	Immediate									
HH:MM:SS	Change Interval Add Interv	Remove Interval								
Device Ac	tion Table for Selected	Interval								
	ct Device to Add to the Curre Water(8]	nt Interval: V	Advanced       Advanced       ove Device     Run     Position in Device List:     UP     Down       ion     SetModeTarget							
		ρ—	- Allow Logic Expression in Arguments							
Save	Cancel									
Name	When	Defined Actions	Editor Actions							
_HWPulse	Condition is True with Repeats	Immediate - 1	Edit Remove Run							

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