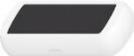
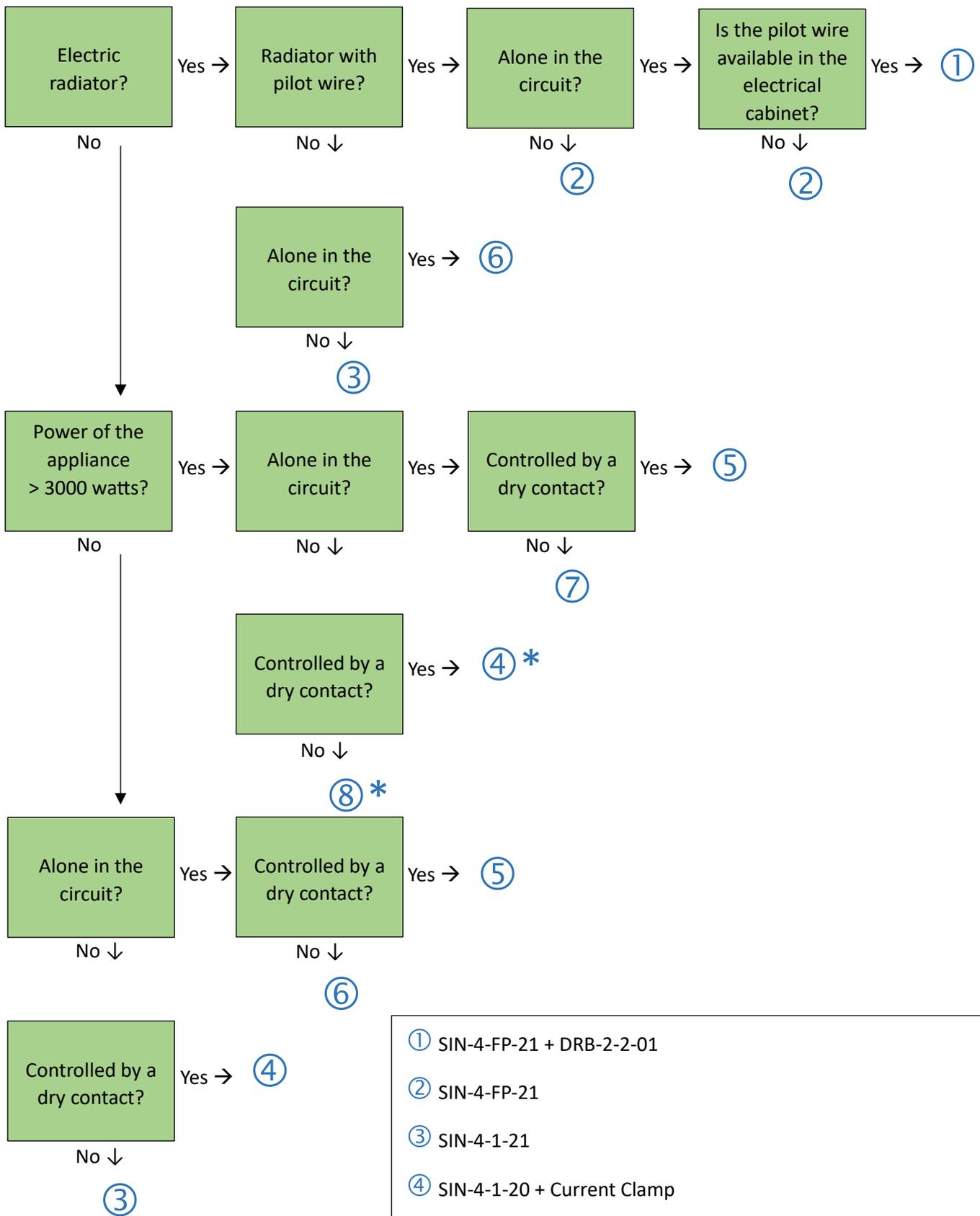


Looking to add a new appliance to your SWOpti to control or monitor?  
 Not sure which NodOn micromodule you need?  
 Use the flowchart to find the right component!

The flowchart on the next page helps you find the right NodOn component to allow SWOpti to control/monitor a new appliance. In order to use the flowchart, you need to know if your appliance is a heater (and whether or not it has a pilot wire), if the appliance to be controlled/monitored consumes more than 3000 watts, if the appliance is alone on the electrical circuit, whether or not the appliance is controlled by a dry contact, and if the appliance has a single-phase or three-phase connection.

In addition to a NodOn component, you may need other modules (temperature measurement, power contactor, etc.). The flowchart will tell you everything.

	<p>The NodOn SIN-4-1-21 module allows you to switch on/off a device of up to 3000 watts and measure its consumption. If the device is alone on its circuit, the module is inserted into a DIN box (NodOn DRB 2 2 01) and is installed in the electrical cabinet, next to the circuit breaker of the device concerned. If the device is not alone on its circuit, the module must be installed "appliance side", i.e. "in the wall" and a DIN box is not necessary.</p>
	<p>The NodOn SIN-4-1-20 is reserved for devices with a consumption exceeding 3000 watts. You will also need a power contactor. The power contactor will be controlled by the SIN-4-1-20 and it is the power contactor that turns the appliance on/off. Since the SIN-4-1-20 is not directly in the appliance circuit, it cannot measure its consumption and you will need a current clamp for this.</p>
	<p>The NodOn SIN-4-FP-21 is reserved for appliances (modern electric radiators...) with a pilot wire. If the appliance is alone on its circuit and its pilot wire is available in the electrical cabinet, the module is inserted into a DIN box (NodOn DRB-2-2-01) and is installed in the electrical cabinet, next to the circuit breaker of the appliance concerned. If the pilot wire is not available in the electrical cabinet or if the appliance is not alone on its circuit, the SIN-4-FP-21 must be installed "appliance side", i.e. "in the wall" and a DIN box is not necessary. The SIN-4-FP-21 measures the consumption of the radiator.</p>
	<p>If your device is controlled by a dry contact, the NodOn SIN-4-1-20 will be used. It must be installed where the two connections of the dry contact of the device are located. If it is in the electrical cabinet, the NodOn SIN-4-1-20 will be inserted in a DIN box (NodOn DRB-2-2-01). If it is "appliance side", the SIN-4-1-20 must be installed "appliance side", and a DIN box is not necessary (unless the appliance in question has its own electrical panel in which you can position the SIN-4-1-20. Since the SIN-4-1-20 is not directly in the circuit of the appliance, it cannot measure its consumption and you will need a current clamp for that.</p>
	<p>If your appliance is a heater, SWOpti needs to know the temperature in the room in order to properly control this device. If you have at least 3 hours of natural or artificial light per day, the NodOn STPH-4-1-00 will provide the temperature as well as the humidity level. If there is insufficient light, SWOpti can suggest a module from another brand that is battery-powered or permanently powered via USB.</p>



- ① SIN-4-FP-21 + DRB-2-2-01
- ② SIN-4-FP-21
- ③ SIN-4-1-21
- ④ SIN-4-1-20 + Current Clamp
- ⑤ SIN-4-1-20 + DRB-2-2-01 + Current Clamp
- ⑥ SIN-4-1-21 + DRB-2-2-01
- ⑦ SIN-4-1-20 + DRB-2-2-01 + Current Clamp + Power Contactor
- ⑧ SIN-4-1-20 + Current Clamp + Power Contactor

\* If the appliance has its own electrical panel, you can place the module in a DIN box (DRB-2-2-01).

**PLEASE NOTE:**

All three-phase appliances are controlled by a SIN-4-1-20 module. This situation falls under case ⑦. You will need 3 clamps and the power contactor has to have 4 poles (For the neutral wire and the three live wires).