

IR 12 Models:

In its basic configuration, the controller can always control a heating system containing:

- Regulus CTC heat pump for space and DHW heating
- up to 10 Regulus CTC heat pumps, connected in series
- solar thermal system with 2 solar consumers
- 2 heating circuits
- compact boiler room on a Vega thermal store
- electric heating element (or boiler) as an auxiliary source for space heating
- electric heating element as a second source for DHW or a diverter valve for DHW heating in a boiler
- DHW recirculation



Additional modules permit to extend the heating system controlled by the controller with:

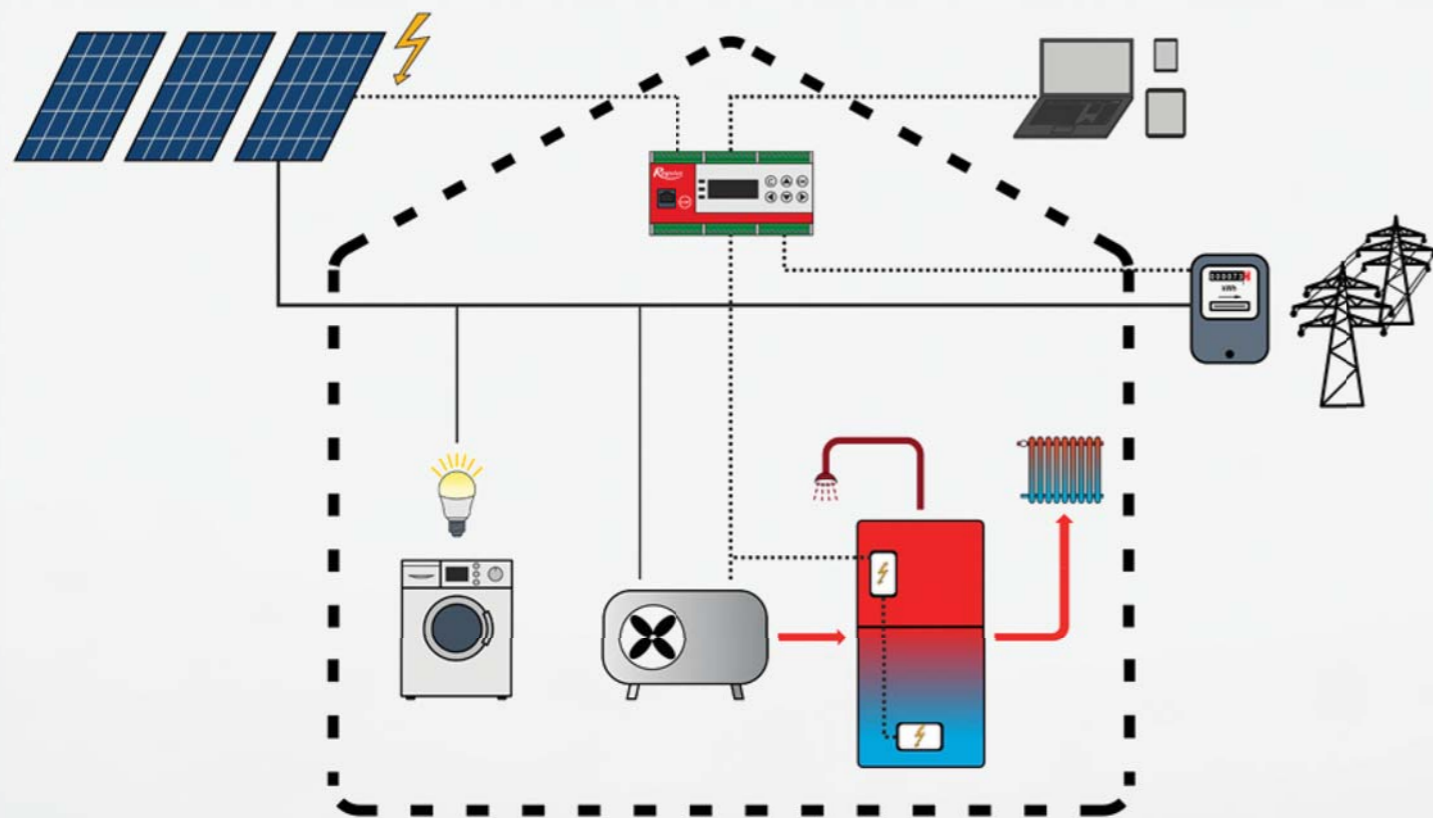
- hydronic fireplace or a solid-fuel boiler
- DHW heating in a thermal store
- control of some boilers with OpenTherm communication
- control of Regulus Sentinel Kinetic HRV units
- third solar consumer
- pool heating from a thermal store
- other optional features

IR 12 FV - extended version of IR 12 CTC Controller

Smart Controller designed to control heating systems with a heat pump in houses equipped with PV panels.

Home energy consumption is monitored permanently by the control system through an electronic electricity meter. In case any electricity surplus is detected, it is converted to heat precisely and efficiently through continuous output control of the heat pump and heating elements.

Heat is then stored in a thermal store to be used later, for space or DHW heating.



Regulus

IR 12 CTC Smart Controller



Heating and Ventilation Control
at your fingertip



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Smart Controller

IR 12 Smart Controller can control heat sources in a house, DHW heating, ventilation and a complete heating system.

At the same time, it can control a heat pump or up to 10 heat pumps connected in series.

All parameters for space and DHW heating and ventilation can be monitored and controlled on the Controller website.

The Controller website can be accessed from a LAN even without the Internet, or via Internet using the RegulusRoute service, or via a direct access to a controller with a public IP address.

Thanks to the IR Client dedicated application, the control is very easy also from mobile phones and tablets.

The main advantages

Smart control for the best utilization of renewable energy sources

Control of up to 6 heating zones, DHW heating, ventilation and pool heating

Temperature control, also through room units



Simple controller adjustments via a web browser

Control and information from anywhere over the internet

Access to the controller menu from a computer, tablet, mobile phone

The controller can send failure reports to your e-mail

Remote service intervention possible, avoiding the need for a technician travelling to the site

Control over the Internet

The User Menu of the Controller website is user friendly with a clear layout. Each customer can easily check and set temperatures and other parameters of his/her heating system.

RegulusRoute

RegulusRoute is a service enabling easy access to a controller even if it has no public IP address.

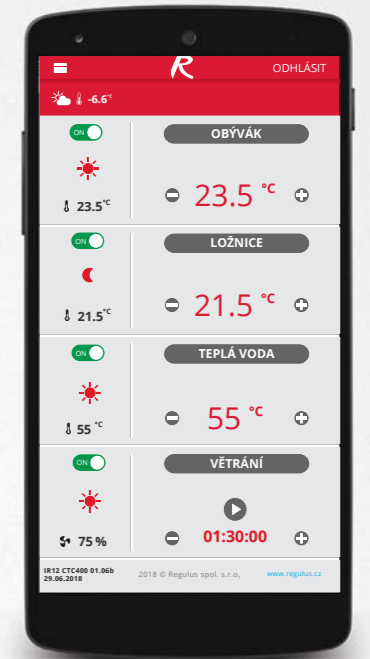
IR Client App for Mobile Devices

The IR Client App is intended to offer an easy access to web-based service of Regulus IR 12 CTC Controller. By touching the separate tiles you can easily change the desired temperature or control ventilation intensity in the house. Even the desired heating water temperature can be changed this way, or hot water recirculation started.

The app can be used in a local wifi network and also for a remote access via the Internet. So while at home, you can control your home by a mobile phone without any access to the Internet. And via the Internet, you can control your home from anywhere.

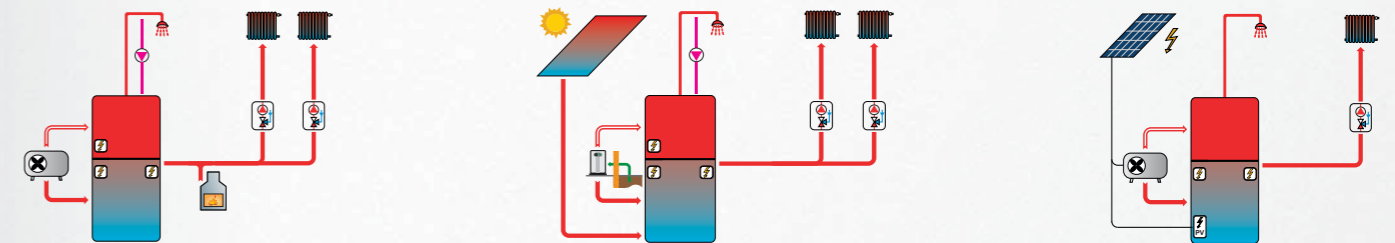
It can be used by owners of IR 12 controllers who use mobile phones or tablets with Android and iOS.

It is available for free download from Google Play and AppStore.



Various Layouts of Heating Systems

The Controller is capable of controlling several hundred connection manners of heating system components.



Blueprints Available

Detailed installation documents are available for separate heating system layouts.