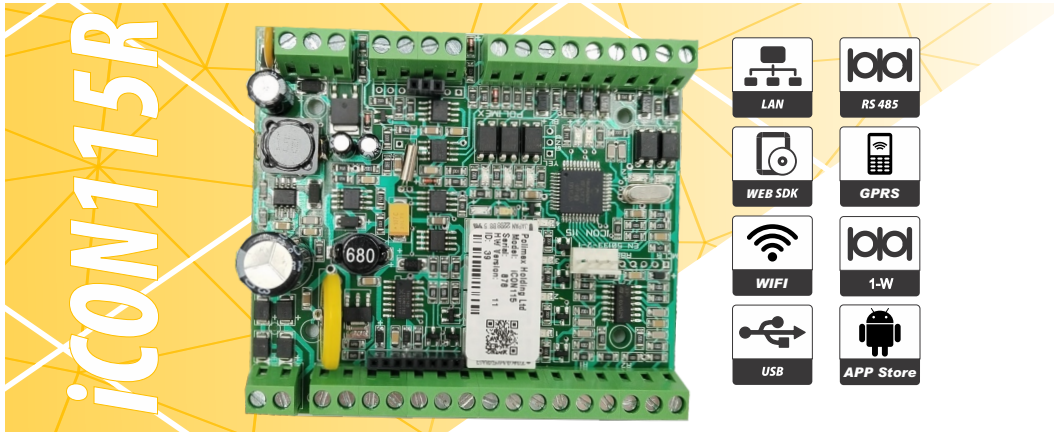


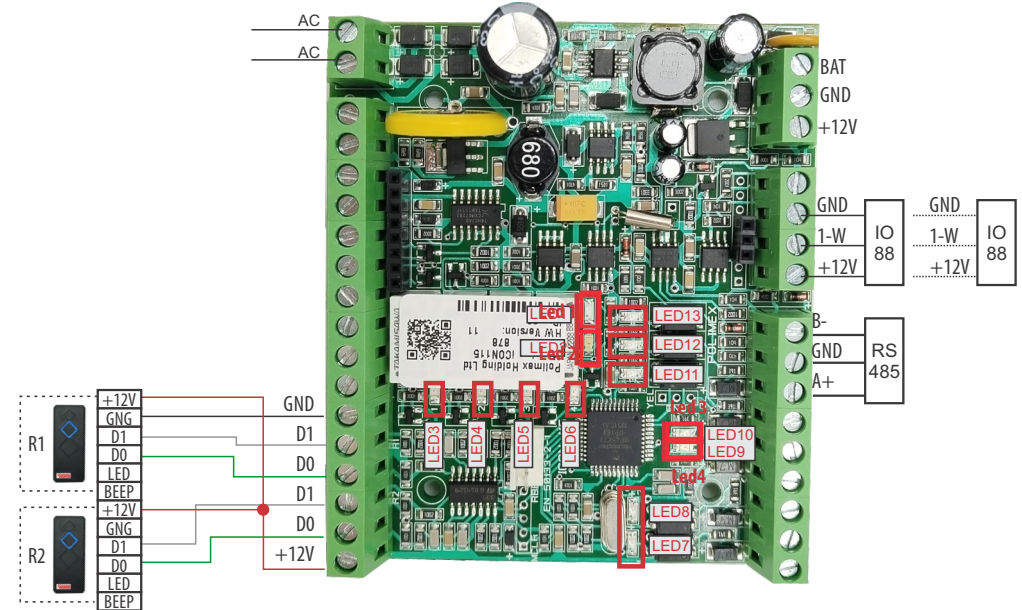
## QUICK USER GUIDE Relay Controller Icon-R



- Complies with EN 50133-2-1/BDS 50133 standards.
- Communication options include USB/LAN/WiFi/GPRS through an additional module.
- RS485 bus communication (up to 253 devices) and 1-W communication.
- Automatic switching of communication modes - controller/RS485 to USB or LAN converter.
- Compatible with software: Andromeda Tool, Andromeda Pro, or Polimex Cloud (<http://my.polimex.online>).
- Management of 2 groups of IO with 16 outputs, 1 group of IO with 32 outputs, and 1 group of IO with 256 outputs.
- Four operating modes for readers with the possibility of automatic mode change based on a time schedule.
- Management of paid services using Andromeda Pro and Polimex Cloud software – parking, fitness, spa center, etc.
- Non-volatile memory and clock.
- Open WEB SDK protocol for integration and development.
- Automatic operating mode: standalone or networked (connectivity with software).
- Backup battery output with deep discharge protection.
- Four operating modes for readers.
- Automatic mode change for readers based on a time schedule.
- Battery TEST option without interrupting controller operation.

<b>User capacity</b>	9727
<b>Event memory</b>	3056
<b>Inputs</b>	2 pcs. / Reader Interface; 26 or 34-bit WIEGAND (automatically determined) 4-8 bits numeric PIN
<b>Readers</b>	Card, card + PIN, card + work code, card or PIN
<b>Reader mode</b>	5 opto-isolated, active low inputs (2 x output button, 2 x magnetic contact, 1 x emergency input) and 1 x alarm zone (ATZ)
<b>Outputs</b>	4 Relay Outputs (30V/2A each), 1 Battery Output 13.7 VDC with Deep Discharge Protection.
<b>Communication</b>	1-W, RS 485, (USB/LAN/WiFi/GPRS c with additional module)
<b>Power supply voltage</b>	from 14V AC to 24V AC,* from 16V DC to 30V DC
<b>Operating electrical current(mA)</b>	80
<b>Light Indicators</b>	yes
<b>Operating temperature</b>	-25°C~+75°C
<b>Operating humidity (RH)</b>	10%~ 90% RH (without condensation)
<b>Dimensions</b>	105*90*58

## Connection diagram



## Led indicators for operational status

Led №	Indicates the state of:	Status of the indicators	
		On	X
LED 1	Main power U	On <span style="color:blue">■</span>	X
LED 2	Backup power U	On <span style="color:yellow">■</span>	X
LED 9	Communication exchange Rx	Fast blinking <span style="color:red">■</span>	X
LED 10	Communication exchange Tx	Fast blinking <span style="color:green">■</span>	X