

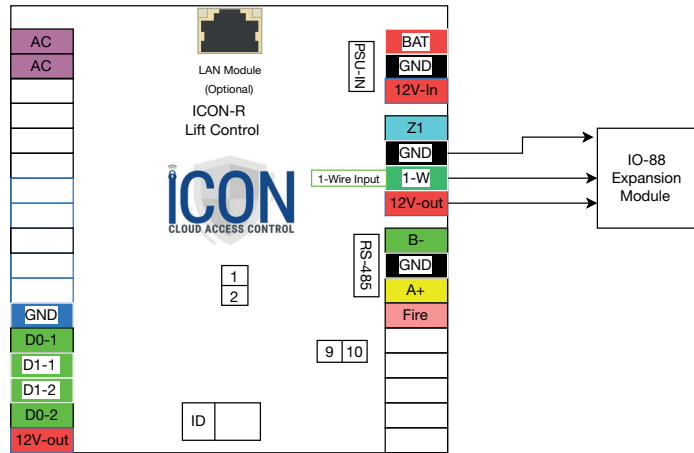
# Relay Controller

ICON-R

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RELAY CONTROLLER

LED No	Status
LED 1	Power ON
LED 2	Backup Power
LED 9	Comm RX
LED 10	Comm TX



## Key features

- Norms: EN 50133-2-1 / BDS 50133
- USB / LAN / WIFI / GPRS communication compatible.
- RS485 network (max 253 devices) and 1-W communication.
- Automatic switching of communication mode; RS485 to USB or LAN.
- Managed via Icon Cloud.
- 2no groups of IO with 16 outputs, or 1 group of IO with 32 outputs, or 1 group of IP with 256 outputs.
- 4no proximity reader operating modes including time-zone automatic mode-switching.
- Emergency door unlock features from external sources.
- Time-zone control of outputs, max 256.
- Access time-zone restrictions, max 256.
- Customisable (I/O) Input / Output standby status settings.
- Non-volatile memory, time-clock.
- Open WEB SDK protocol.
- Standalone or network operation.
- Duress mode; forced door, door left open etc.
- ATZ compatible; alarms etc.
- Backup battery output with deep discharge protection.
- Battery test feature without interruption of normal operation.

## Technical specifications

Capacity for users	9727
Event memory	3056
Inputs	2no proximity readers 26 or 34 bit WIEGAND, or 2no keypads
Readers	Prox key (Fob), Fob + keypad code, Fob or keypad code
Reader mode	5no inputs (2no PTE, 2no Contact, 1no Emergency), 1no ATZ Alarm Zone.
Outputs	4no 30V/2A rated relay outputs, 1no battery output.
Communication	1-W, RS 485, (USB/LAN/WIFI/GPRS complete with additional module)
Power supply voltage	12 V DC
Operating current (mA)	80 mA
Light indicators	Yes
Operating temperature	-25°C to +75°C
Operating humidity (RH)	10% to 90% (non-condensing)
Dimensions	105L x 90W x 25D mm



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