



## Intelligent Ripple Control Receiver LCR600

## Multifunctional all-purpose receiver with 1 to 6 pluggable relays.

The LCR600 is a high-quality ripple control receiver including switch clock. It can be used in standard ripple control applications as well as in modern systems with "distributed intelligence" (VERSACOM) as a remotely programmable switch clock.

Optional Supercap and Battery ensure stand alone operabilty in loss of power scenarios.



LCR600 with 6x25A Relais



Multifuncional with 1 to 6 pluggable switching relais



Simple parametrisation in unpowered state



Switch Clock with calculated Dawntimes for street light control



Up to 6x 25A or 4x 40A relais for flexible use cases.

## **Functionality**

- Processing of all common ripple control protocols (e.g. SEMAGYR, DECABIT, RICONTIC, PULSADIS, etc.) and their specific pulse patterns
- Internal clock with optional buffering by a super cap or a battery, flexible synchroni-sation using 'VERSACOM' protocol
- Switch clock depending on weekdays, with remote parameterisation using the 'VERSACOM' protocol (DIN 43861-301)
- Switch clock for a year with calculated dawn and dusk times for street light control (option)
- Programming and test via the electrical interface (USB) is possible without the 230VAC power supply
- Signal absence sensing, detection of transmitter failures
- The receiver is designed to accommodate up to 6 change over relays 25A pluggable or alternatively up to 4 relays normally open 40A pluggable. Also combinations of both relay types are possible.

- Anti-Tampering and supervision
  - Automatic refreshing of relay positions every 60 seconds
  - Counter for number of switching actions per relay
  - Log file for storage of pulse pattern and signal levels of last telegrams received (minimum 10 telegrams)
  - Log file for storage of events (power failure, low network frequency, signal absence)
- Parametrisation and enlarged log-file memory capacity with EEProm Modules (option)
- Cyclic switching function
- Switching delay (1 s 24 h)
- Passing contact function (1 s -24 h)
- · Logical interconnection of relays
- Optical interface according to IEC 62056-21 (option)
- User friendly programming tool LCRSet6 for all receivers of the LCR family.

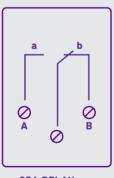
**Technical Data** subject to changes

Power Supply	Voltage Un Frequency of power supply Lightning impulse strength	230V + 15% 20% 50Hz +2%2% 6kV 1,2/50 according to DIN EN 61 000-4-5
Filter Data	Audio Frequency Selection of audio frequency Minimum respond signal voltage Non respond signal voltage Maximum signal level	158 Hz - 1600 Hz any frequency can be set Uf > 0.5 % Un Unf < 0.3 % Un or according to agreement 8-15-times Uf (dep. on frequency)
Real Time Backup	Supercap Battery	48 h without power 3 years without power at 25 °C, Lifetime 10 years (powered)
	Time Deviation	< 2 s/day
Output Data	Number of Relays Nominal switching voltage Uc Nominal switching current lc Relays type (status a/b programmable) Terminal Size	1 to 6 / 1 to 4 (bistable) 250V, 50Hz or 60Hz (100V as option) 25A / 40A at cos phi = 0,4 1 25A change over contacts 40A normally open floating contacts for 2x 2,5 mm <sup>2</sup> or 1x 4 mm <sup>2</sup> / 1x 6 mr
Climate Conditions	Operating Temperature Storage Temperature	-20 + 60 °C -30 + 60 °C, non condensating
Housing	according to DIN 43861 part 2 (for installations on a meter panel or via terminal adapter to a meter)  The receiver is perpared to be mounted on a DIN-Rail (optional adapter necessary)	
	Protection class	IP53
Dimensions	H = 175 mm, W = 107 mm, D = 80 mm	

## **Connection Diagram**









25A RELAY

