



# LIGHTING FLUX REGULATORS

Energy savings for lighting

## ERELUZ series

from 3,5 to 120 kVA

### Technical Features

- Controlled by digital processor
- Efficiency over 98%
- Programmable startup time
- Possibility of programming the voltage at rated level: 230/220/210 VAC
- Possibility of programming the voltage at reduced level: 200/190/180 VAC
- Independent phase regulation in three-phase models
- Easy installation by incorporating in line header
- Automatic reset

### Advantages

- Lighting energy savings up to 55%
- Quick payback and high reliability
- Extends lamp life
- Reduces failures
- Maintains the uniformity of lighting
- Maintains installation Cos Phi
- Does not produce harmonics in the network
- Does not produce micro cuts
- Foreseen for all types of lamps

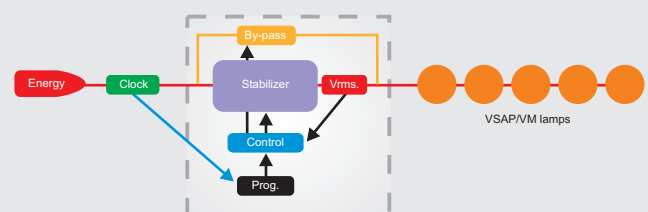


### Block Diagram

The system is integrated in the head of the lighting line providing a stabilization and regulating between two levels, nominal and reduced, the amount of energy provided to the lamps.

This control is programmed from the external clock, that controls the installation and the energy in the startup and changes to reduced mode lineally, without important alterations in the lighting.

An optional remote control and information system via GSM would keep us informed of operating conditions and incidents.





# Data Sheet

<b>ERELUZ</b>	
MOUNTING	MODULAR
CONTROL BOARD	MICROPROCESSOR
COMMUNICATIONS	RS-232 RS-485 (Optional GSM)
BY-PASS	Automatic independent per phase
THERMAL PROTECTIONS	Independent per phase
<b>INPUT</b>	
SINGLE-PHASE VOLTAGE	230 VAC $\pm$ 7% (P+N+G)
THREE-PHASE VOLTAGE	400 VAC $\pm$ 7% (3P+N+G)
MAXIMUM REDUCTION	Vin -30%
OUTPUT ACCURACY	$\pm$ 1,5%
FREQUENCY	50-60 Hz
PROTECTIONS	Unipolar circuit breaker per phase
<b>OUTPUT</b>	
RATED OUTPUT VOLTAGE	230-220-210 VAC SELECTABLE
REDUCED OUTPUT VOLTAGE	200-190-180 VAC SELECTABLE
FREQUENCY	50-60 Hz
HARMONIC DISTORSION	Null
EFFICIENCY	>98%
REGULATION	Independent per phase
<b>ENVIRONMENTAL CONDITIONS</b>	
OPERATING TEMPERATURE	-20 +50°C
STORAGE TEMPERATURE	-40 +70°C
RELATIVE HUMIDITY	>95% WITHOUT CONDENSATION
PROTECTION DEGREE	IP54-IK10

<b>SINGLE PHASE</b>					
MODEL	ERELUZ 3,5	ERELUZ 7	ERELUZ 10	ERELUZ 15	ERELUZ 20
POWER	3,5 KVA	7 KVA	10 KVA	15 KVA	20 KVA
MAX. CURRENT	15 A	30 A	45 A	66 A	90 A
<b>DIMENSIONS (mm) AND WEIGHT IN CABINET</b>					
DIMENSIONS (H x W x D)	1100 x 445 x 310			1400 x 445 x 330	
WEIGHT	52 kg	54 kg	60 kg	110 kg	120 kg
<b>DIMENSIONS (mm) AND WEIGHT WITHOUT CABINET</b>					
DIMENSIONS (H x W x D)	650 x 155 x 225			920 x 165 x 235	
WEIGHT	23 kg	25 kg	31 kg	75 kg	85 kg

<b>THREE PHASE</b>							
MODEL	ERELUZ -T 10	ERELUZ -T 20	ERELUZ -T 30	ERELUZ -T 45	ERELUZ -T 60	ERELUZ -T 90	ERELUZ -T 120
POWER	10 KVA	20 KVA	30 KVA	45 KVA	60 KVA	90 KVA	120 KVA
MAXIMUM CURRENT	3x15=45 A	3x30=90 A	3x45=135 A	3x66=198 A	3x90=270 A	3x135=405	3x180=540
MAXIMUM CURRENT PER PHASE	15 A	30 A	45 A	66 A	90 A	135 A	180 A
<b>DIMENSIONS (mm) AND WEIGHT IN CABINET</b>							
DIMENSIONS (H x W x D)	1100 x 785 x 330			1400 x 785 x 330		1670 x 1015 x 390	
WEIGHT	105 kg	110 kg	140 kg	270 kg	300 kg	370 kg	420 kg
<b>DIMENSIONS (mm) AND WEIGHT WITHOUT CABINET</b>							
DIMENSIONS (H x W x D)	845 x 664 x 250			1300 x 664 x 260			
WEIGHT	70 kg	75 kg	100 kg	230 kg	260 kg		

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