

MODULAR DIMMERS RV5, RV10, RV15

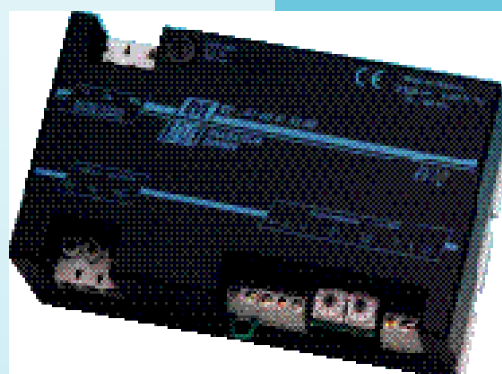
1 000 W, 2 300 W, 3 800 W

The RV5 (1 000 watts), RV10 (2 300 watts) and RV15 (3 800 watts) are digital and modular dimmers.

You can dim any kind of lighting source:

- incandescent,
 - halogen,
 - low voltage halogen on ferromagnetic transformer or on electronic transformer compatible with leading edge dimmer,
 - fluorescent, "fluo-compact",
 - high voltage.
- Individual or grouped control under master / slave(s) function
 - Remote control by push button(s), remote control HF, linear or rotative potentiometer, input voltage 0/+10 V_{DC}
 - Easy installation due to the clip on a symetric DIN rail

A large success for these multipurpose dimmers !



Models	Dimmable power in Watts				
	In watts		Number of tubes		
	Incandescent / Halogen	VLV Halogen	Fluo 18 W	Fluo 36 W	Fluo 58 W
RV5	1 000	800	45	25	15
RV10	2 300	1 600	95	50	30
RV15	3 800	2 700	150	80	50

The number of tubes which are supplied by a dimmer is only given as an indication for equipment featuring dimmable electronic ballasts with dimmers which have a leading edge control. To have a confirmation or for further information, see ballast manufacturers' technical specifications.



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DESCRIPTION

- Insulated control dimmer (2500 V insulation)
- Any functioning mode selected with 2 coding wheels (see configurations)
- Digital electronic control through micro-controller
- Operation mode: leading edge dimming
- Antipanic function for the RV10 and RV15 dimmers
- Immediate or progressive lighting-off with prior notice for extinction and sleep function
- Selection of dimming thresholds for the use in fluorescence
- Time delay progressive lighting on, non visible to the naked eye, in order to increase incandescent lamp lifetime
- Metallic cover with EMC efficiency

TECHNICAL SPECIFICATIONS

Power supply	: 230 VAC 50/60 Hz (127 V on request)	Protection degree	: Enclosure protection degree = 20
Main protection	: To be installed on dimmer upstream, according to usual standards	Cooling	: Natural convection
Protections	: Auxiliary circuit protected by 2A fuse	Weight	: 0.5 kg for RV5 0.8 kg for RV10 or RV15
Triac / Thyristor	: High overload capacity	Dimensions	: 5 modules for RV5 Width = 90 mm, Height = 90 mm, Depth = 56 mm
EMC compatibility	: According to EN 55014/60669 standards		8 modules for RV10 or RV15 Width = 144 mm, Height = 90 mm, Depth = 56 mm
Efficiency	: 98 %, own no load loss < 8 W		
Environment	: Temperature: 0°C to + 40°C Humidity : 0 % to 90 %		

CONFIGURATIONS

S1 CODING WHEEL: FUNCTIONING SELECTION MODE			S2 CODING WHEEL: CURVE SELECTION		
Position	Crossing time	Functioning mode	Position	Start Pulse	Response curve
0	Direct control	Potentiometer or 0/+10VDC control	0	NO	Incandescent
1	5 S	Push-button with memory	1	NO	Halogen
2	10 S	Push-button with memory	2	NO	FLUO LL = 55 V RMS, HL = 215 V
3	5 S	Push-button with memory, Sleep function, Extinction prior notice	3	NO	FLUO LL = 75 V RMS, HL = 205 V
4	10 S	Push-button with memory, Sleep function, Extinction prior notice	4	NO	FLUO LL = 105 V RMS, HL = 220 V
5	5 S	Push-button without: memory and notice	5	NO	FLUO LL = 110 V RMS, HL = 220 V
6	10 S	Push-button without: memory and notice	6	NO	FLUO LL = 115 V RMS, HL = 220 V
7	5 S	Push-button without memory, Sleep function and extinction prior notice	7	155 V	FLUO LL = 125 V RMS, HL = 215 V
8	10 S	Push-button without memory, Sleep function and extinction prior notice	8	170 V	FLUO LL = 140 V RMS, HL = 225 V
9	Depend on master	Slave function	9	NO	Static relay

- In the 1 to 8 positions of S1, the 0/+10 Vdc control is blocked, except if the dimmer is off. In this case, you can control the dimmer through an incoming 0/+10 Vdc signal.
- Extinction prior notice: as soon as you push on the push-button, the light effect decreases to 50 % of the last value before extinction and decreases in 6 seconds.
- Sleep function: push twice on the push-button instead of once. The lighting decreases within a 5 minute long time.
Note: if you push again the push-button, you come back to extinction prior notice mode.
- Start Pulse: pulse which allows to activate fluorescent tubes when lighting on.
- LL (Low Level) - HL (High Level): fluorescent dimming stops. The measurement of these levels is done in RMS on resistive load.

Consult us for the compatible fluo ballasts and electronic transformers.

*EC marked according to the EEC/89/336 & EEC/73/23 - Environment I.
This device is designed for working on private or public NF EN 50160 network.*

[illegible]