



Product Description

HF-Regulator Intelligent Touch and Dali for TL5 lamps

Intelligent, flat, lightweight high-frequency electronic regulating ballast, using DALI (Digital Addressable Lighting Interface) or Touch and Dim push-button protocol for TL5 fluorescent lamps.

Benefits

- The HF-R intelligent will recognize which lamp is connected and will drive it accordingly
- Extremely low energy consumption in stand-by (0.25 W)
- Optimized for MASTER TL5 Eco lamps

Features

- The HF-R intelligent will recognize which lamp (T5 HE, HO, ECO, TL-D and PLL) is connected and will be operated accordingly.
- With a special command you can retrieve the mains power consumption of the system, further more with another command you can ask which lamp wattages are connected.
- Digital control input according to the industry-standard DALI (Digital Addressable Lighting Interface in accordance with IEC 62386) combined with the Touch and Dim push-button protocol.
- Reduced power losses due to cut-off of filament heating. EEI=A1BAT (Best Available Technology).
- Extreme low energy consumption in stand-by (0.25 W).
- Up to 75% reduction in energy consumption by using automatic lighting control systems (e.g. Philips ActiLume).
- Smart power ensures constant light, independent of mains fluctuations
- Lamp power can be regulated from 1 to 100%
- Hybrid control of the lamp (current control at 100% and power control at 1%)
- Fast dimming speed DALI 1..100% as well for 100..1% in 125 ms.
- Quick programmed start: 1 s, flicker-free, flash-free warm start; preheating the lamp electrodes enables lamps to be switched on and off without reducing useful life. Ideal for high switching frequency applications
- Ballast resets automatically after lamp replacement.
- Protected against excessive mains voltages.
- Protected against incorrect lamp connections.
- Striation-free operation, no stroboscopic effects .
- Stop circuit is activated within 5 s in the event of lamp failure (safety stop).
- Flat ballast design, 21.8 mm high, like all Philips T5 ballasts 360mm long.
- Equipped with WAGO 251 connectors suitable for automatic wiring.

Application

- Offices requiring simple, easy-to-install dimming or personal light level adjustment, e.g. with ActiLume
- DALI installations with personal control, daylight linking and/or movement detection
- DALI installations with remote control systems
- Installations with emergency back-up, in accordance with IEC 60598-2-22, excluding high-risk task areas

Related products



HF-Ri TD 1 28/35/49/54 TL5 E+

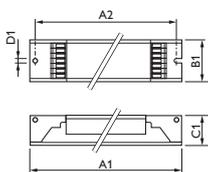


HF-Ri TD 2 28/35/49/54 TL5 E+



HF-Ri TD 3 35/49/80 TL5 E+

Dimensional drawing



Product	A1 (Norm)	A2 (Norm)	B1 (Norm)	C1 (Norm)	D1 (Norm)
HF-Ri TD 1 35/49/80 TL5 E+	360	350	30	22	4.2
HF-Ri TD 1 28/35/49/54 TL5 E+	360	350	30	22	4.2
HF-Ri TD 2 28/35/49/54 TL5 E+	360	350	30	22	4.2

Compare table

Order code	Full product name	Interface	Rated Number of Lamps	Rated Lamptype	Application code	Line Voltage	Line Frequency	Rated Ballast-Lamp Power	Energy Efficiency Index
890570 00	HF-Ri TD 1 28/35/49/54 TL5 E+	TD	1	TL5	E+	195-240	50/60	28/35/49/54	A1 BAT
887686 00	HF-Ri TD 2 28/35/49/54 TL5 E+	TD	2	TL5	E+	195-240	50/60	28/35/49/54	A1 BAT
891980 00	HF-Ri TD 1 35/49/80 TL5 E+	TD	1	TL5	E+	195-240	50/60	35/49/80	A1 BAT



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2010, December 2
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