

Electronic Ballasts -- CFL&LFL Dimmable

Standard 4 wire interface is used in our dimmable Fluorescent and Compact Fluorescent Ballasts.

2 power lines for 100 - 277 Voltage input.

2 dimming lines with 0/1 - 10 Voltage DC tuning.

Dimming your fluorescent and compact fluorescent fixtures transform uncompromising 1 flip switch into humanized luminary devices.

Free the wishing of comfortable lighting ambience at your finger tip.

We also developed a dimming bus for these ballasts.

Dimming bus is a regional control device linking 15 - 20 dimmable ballasts (maybe more, depend on the ballast) and offer a simple 2 wire (The dimming lines) interface for Dimmers or Conral Panels set onthe wall.

You will be able to use existing 2 wire inside the wall or ceiling to complete installation without making effort to place extra 2 wire into the ceiling or wall.

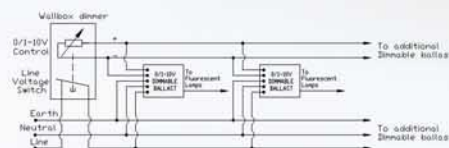
The dimming bus, with maximum load current of 10 Amp, also equipped with RF remote control facility to interact with control panels or handsets.

Each control panel or handset with capacity of tuning up to 20 dimming buses.

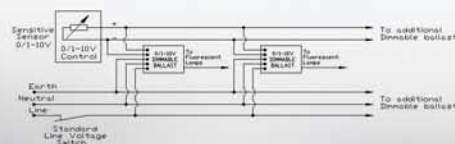
However, The dimming bus not set to just one panel or handset,

They can be specified to up to 99 panels or handsets.

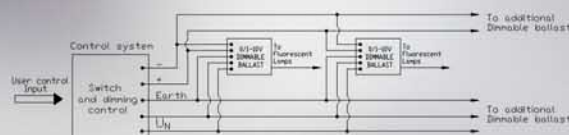
Wallbox style control wiring example



0/1-10V Interface sensitive sensor wiring example



Control system wiring example



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BF008D

2 Lamps:T5 HE 14watts, 21watts, 28watts, 35watts,



BF024D

2 Lamps:T5 HO 24watt, 39watt

2 Lamps:T8 15watt/17watt/18watt, 25watt, 30watt/32watt/36watt

2 Lamps:Biax 2G 11 base, 18watt, 24watt, 36watt



BF016D

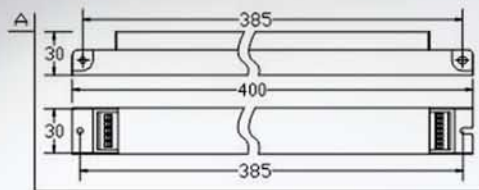
2 Lamps:Biax 2G 11 base,55watt

2 Lamps:T5 HO 54watt

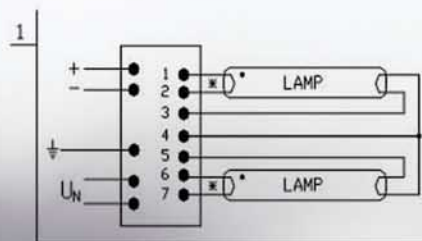
2 Lamps:T8 58watt



Dimensions: (mm)



Wiring diagrams:



Notice:

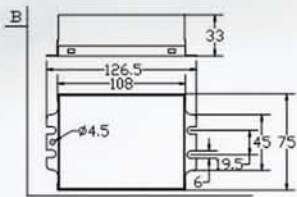
1. Push the button when install/release the wire to/from terminal.
2. Solid copper wire only-18 AWG.
3. Strip length of wire insulation-3/8 inch.
4. Please see wiring diagram when installation.

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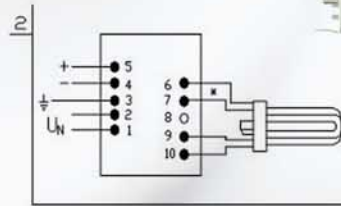
BF041D-S(Side wiring) BF041D-B(Back wiring)

- 1 Lamps:CFL/G24Q base, 26watt
- 1 Lamps:CFL/GX24Q base, 32watt, 42watt
- 1 Lamps:T9Circular, 22watt, 32watt, 40watt

Dimensions: (mm)



Wiring diagrams: (mm)



BF040D-S(Side wiring) BF040D-B(Back wiring)

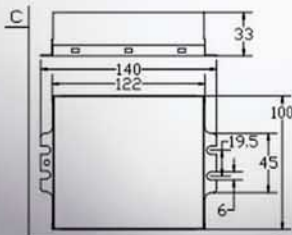
- 2 Lamps:CFL/G24Q base, 13watt, 18watt



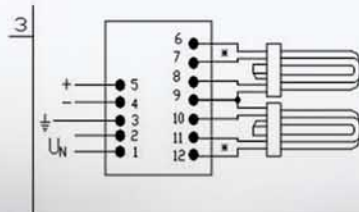
BF042D-S(Side wiring) BF042D-B(Back wiring)

- 2 Lamps:CFL/G24Q base 26watt
- 2 Lamps:CFL/GX24Q base 32watt, 42watt

Dimensions: (mm)



Wiring diagrams: (mm)



Notice:

1. Push the button when install/release the wire to/from terminal.
2. Solid copper wire only-18 AWG.
3. Strip length of wire insulation-3/8 inch.
4. Please see wiring diagram when installation.

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Specifications:

Universal input voltage (120-277)	High power factor
Dimming range from 1-100%, Lamp start at 1% possible	Low harmonic distortion (THD < 10%)
Standard DC0/1-10V control interface	Safe shutdown of defective lamps
Defined Lamp friendly warm start within 1.5 s with AC	Safe shutdown of lamps at end of life
High luminous efficacy	Automatic restart after lamp replacement
Virtually eliminates lamp flicker	Operating frequency ~40-120kHz

Approvals:

UL Listed #935; ANSI C82.11 Ballast Standard; FCC 47 CFR Part 18 ; EMI/RFI ANSI C62.41 Category A ; EN 55015; EN 55022;
 EN 60924 sect. I-II; EN 60928; EN 60929; EN 61000-3-2; EN 61347-2-3; EN 61547; GB 15143-94; GB 17625.1-2003; GB/T 15144-2005

Technical data:

Ballast		Lamp			Technical data				
Type	Article Number	No. of Lamps	Type & Length (mm)	Watt-age (W)	Input Volts 50/60Hz (VAC)	Circuit Power (Watts)**	Current (Amps)**	Power Factor	Temp. Range (...C)*
FL 2x35/100-277V T5 DIM-A	BF008D	2	HE F14T5/549mm	14	100-277	35	0.29	0.98	-20--+50
			HE F21T5/849mm	21		50	0.41	0.99	
			HE F28T5/1149mm	28		63	0.53	0.99	
			HE F35T5/1449mm	35		77	0.64	0.99	
FL 2x36/100-277V T8 DIM-A	BF024D	2	HO F24T5/549mm	24	100-277	55	0.46	0.98	-20--+50
			HO F39T5/849mm	39		90	0.75	0.99	
			F15T8/F17T8/F18T8 450-590mm	15/17/18		43	0.36	0.98	
			F25T8/900mm	25		56	0.47	0.99	
			F30T8/F32T8/F36T8 895-1200mm	30/32/36		80	0.67	0.99	
			CFT18W/2G11	18		42	0.35	0.98	
			CFT24W/2G11	24		55	0.46	0.99	
			CFT36W/2G11	36		81	0.68	0.99	
FL 2x54/100-277V T5 DIM-A	BF016D	2	CFT55W/2G11	55	100-277	110	0.92	0.92	-20--+50
			T5 HO 54W/1149mm	54		108	0.90	0.90	
			T8 58W/1500mm	58		116	0.97	0.97	
FL 1x42/100-277V TCD DIM-A	BF041D	1	CFQ26W/G24Q	26	100-277	30	0.25	0.98	-20--+50
			CFTR32W/GX24Q	32		36	0.3	0.99	
			CFTR42W/GX24Q	42		47	0.39	0.99	
			FC8T9	22		26	0.22	0.99	
			FC12T9	32		36	0.3	0.99	
			FC16T9	40		45	0.38	0.99	
FL 2x18/100-277V TCD DIM-A	BF040D	2	CFQ13W/G24Q	13	100-277	32	0.27	0.99	-20--+50
			CFQ18W/G24Q	18		42	0.35	0.99	
FL 2x42/100-277V TCD DIM-A	BF042D	2	CFQ26W/G24Q	26	100-277	60	0.5	0.99	-20--+50
			CFTR32W/GX24Q	32		72	0.6	0.99	
			CFTR42W/GX24Q	42		91	0.76	0.99	