



Antron Electronics Co.,LTD
安雄電子股份有限公司

CFL(PLT/PLC) Program Start Ballast



Model Name	ESD-A40PBXSx2
Ballast Type	Electronic
Starting Method	Program Start
Lamp connection	Series
Input Voltage	120-277V
Input Frequency	50/60Hz
Warranty	5 Years $TC \leq 75^{\circ}C$ 3 Years $75^{\circ}C \leq TC \leq 90^{\circ}C$

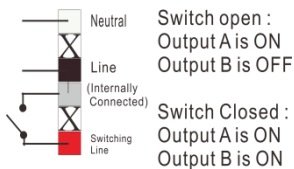
Safety & Performance



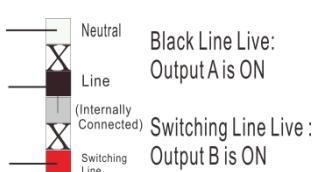
- Maximum Four lamps
- UL/cUL Listed
- UL Type 1 Outdoor
- FCC part 18 Class A
- Sound Rated Class A
- Class P Thermally Protected
- High Power Factor
- Surge Protected
- Auto Restart
- No PCBs
- Type HL

Wire Diagram

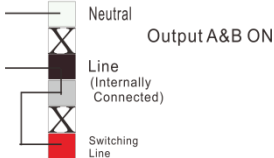
Switch



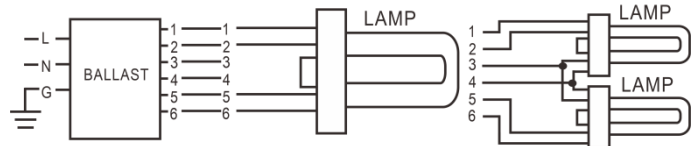
Switch



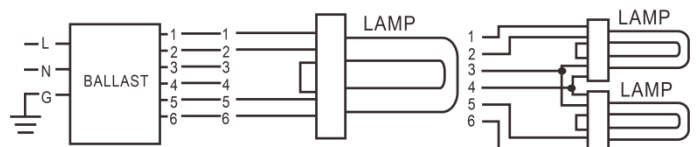
4 lamps No switch



Output A

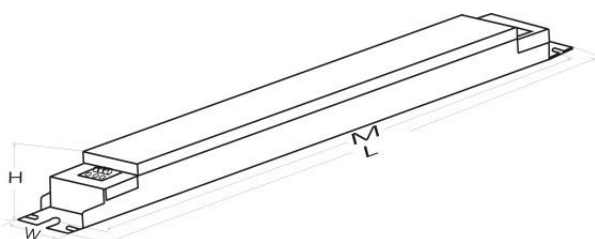


Output B



Maximum Wiring Distance (at full load) is 18AWG/18Feet
Case must be grounded

Enclosure



AM94

Enclosure	Inch	Cm
Length(L)	12.8	32.5
Width(W)	2.52	6.4
Height(H)	1.16	2.95
Mounting(M)	12.5	31.7



Electrical Specification with Different Lamps

Lamp Type	No. of Lamps	Input Voltage (V)	Rated Lamp Watts	Start Temp Min. (F/C)	Input Current (Amps)	Input Power (ANSI Watts)	Ballast Factor	THD Max. (%)	Power Factor	Lamp Current Crest Factor Max.	BEF
PLL40W	4	120	40	-22/-30	1.38	169	1.00	10	0.99	1.7	0.59
		230			0.75			10	0.99		
		277			0.59			10	0.98		
	3	120			1.20	143	1.02	10	0.99		0.71
		230			0.63			10	0.99		
		277			0.53			10	0.98		
	2	120			0.98	116	1.00	10	0.99		0.86
		230			0.51			10	0.98		
		277			0.43			15	0.98		
	1	120			0.75	89	1.01	10	0.99		1.13
		230			0.39			15	0.98		
		277			0.33			20	0.97		
PLL39W	4	120	39	-22/-30	1.17	139	0.68	10	0.99	1.7	0.49
		230			0.62			10	0.99		
		277			0.51			10	0.98		
	3	120			1.01	120	0.69	10	0.99		0.58
		230			0.53			10	0.98		
		277			0.44			15	0.98		
	2	120			0.84	100	0.68	10	0.99		0.68
		230			0.44			15	0.98		
		277			0.37			15	0.97		
	1	120			0.68	81	0.70	10	0.99		0.86
		230			0.36			15	0.98		
		277			0.30			20	0.97		
PLL36W	4	120	36	-22/-30	1.12	134	0.68	10	0.99	1.7	0.51
		230			0.59			10	0.99		
		277			0.49			10	0.98		
	3	120			0.97	115	0.68	10	0.99		0.59
		230			0.51			10	0.98		
		277			0.42			15	0.98		
	2	120			0.82	97	0.68	10	0.99		0.70
		230			0.43			15	0.98		
		277			0.36			15	0.97		
	1	120			0.67	80	0.72	10	0.99		0.90
		230			0.35			15	0.98		
		277			0.29			20	0.97		



Electrical Specification with Different Lamps

Lamp Type	No. of Lamps	Input Voltage (V)	Rated Lamp Watts	Start Temp Min. (F/C)	Input Current (Amps)	Input Power (ANSI Watts)	Ballast Factor	THD Max. (%)	Power Factor	Lamp Current Crest Factor Max.	BEF
FT40DL/ 28W	4	120	28	-22/-30	1.32	157	1.00	10	0.99	1.7	0.64
		230			0.70			10	0.99		
		277			0.58			10	0.98		
	3	120			1.12	133	1.02	10	0.99		0.77
		230			0.59			10	0.98		
		277			0.49			10	0.98		
	2	120			0.92	109	1.00	10	0.99		0.92
		230			0.48			10	0.98		
		277			0.40			15	0.98		
	1	120			0.72	85	1.02	10	0.99		1.20
		230			0.38			15	0.98		
		277			0.31			20	0.97		