

SensorDIM[®] ballast overview

These electronic ballasts are specially designed to work with sensors (motion sensor, infrared sensor, light sensor, sound sensor etc.), which give out 220-240v continuous output signal. Upon receiving the signal, the ballasts work on full power; when the signal passes out, the ballast works on stand-by mode, at low light output and power consumption.

It takes 0.5 second for the ballast to shift from stand-by brightness to full power; and 2 seconds from full power to stand-by brightness. This soft transition is friendly and comfortable to human eyes.

The ballast compensates the filament current when the fluorescent tubes are working on stand-by dimming mode, this device has secured the fluorescent tube immediately reaching its max. brightness on receiving of the motion signal, as well as the life span of fluorescent tubes no matter the fluorescent tube works constantly in dimming status, or frequently shifted between full power and dimming status.

The stand-by light output and power consumption can be pre-set by choosing the desired combination of the encoded programmed switch-

●:ON ○:OFF



Recommendation

	1	2	3	% of full power
I	○	○	○	100%
II	●	○	○	50%
III	●	●	○	25%
IV	●	●	●	10%

●:ON ○:OFF



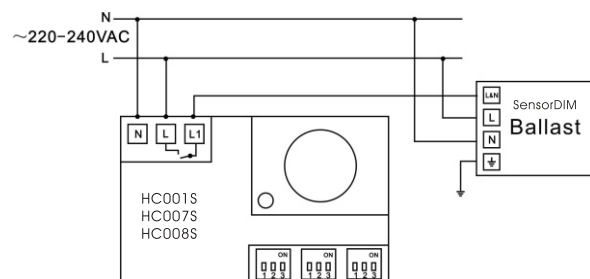
Recommendation

	1	2	3	% of full power
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III	●	●	○	25%
IV	●	●	●	10%

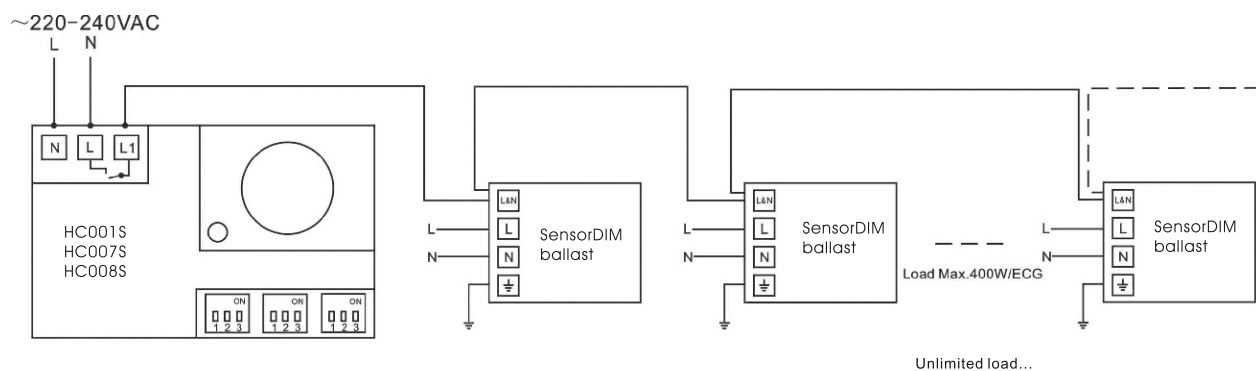
Wiring schematic

To connect 1 ballast with 1 sensor, the wiring should

follow the below schematic:



To connect several ballast with 1 sensor, the wiring should follow the below schematic:



All HYTRONIK sensorDIM ballast are listed in the following table. Please visit our web for detailed technical specification of each model.