

INSTALLATION MANUAL

ZONE CONTROLLER

Please read this installation manual completely before installing the product.

Installation work must be performed in accordance with the national wiring standards by authorized personnel only.

Please retain this installation manual for future reference after reading it thoroughly.

ABZCA



P/NO : MFL69265508

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РУССКИЙ ЯЗЫК	СЛОВЕНСКИ	КАЗАХ ТІЛІ	БЕЛОРУССКАЯ	О'ЗБЕК ТИЛИ	ГАЕЛГЕ	МАКЕДОНСКИ	ШОП	ІСЛЕНСКА	БОСАНСКИ
ENGLISH	ITALIANO	ESPAÑOL	FRANÇAIS	DEUTSCH	EAHNIKA	ČESTINA	NEERLANDS	POLSKI	LIETUVIŲ KALBA
PORTUGUÊS	MAGYAR	БЪЛГАРСКИ	SERPSKI	HRVATSKI	SVENDKA	NORSK	SUOMI	DANSK	ESTI KEEL
MALTI	SLOVENČINA	SLOVENŠČINA	LATVIEŠU VALODA	LETUVU KALBA	SVENDKA	NORSK	SUOMI	DANSK	LIETUVIŲ KALBA

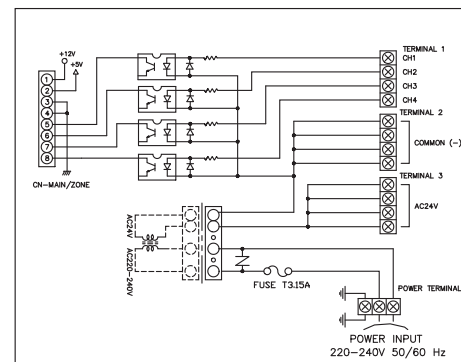
ZONE CONTROLLER

Accessory Model Name	ABZCA																								
Functions	- Dividing area by zones (4zones) and control each zone by its own thermostat and corresponding dampermotor. In the cooling mode: In case of Ceiling Concealed Duct, if the temperature of the zone is lower than the set temperature in that condition the damper will be closed & rpm of the fan motor is varied to adjust the reduced requirement of air. On the other hand: If the temperature of the zone is higher than the set temperature in that condition the damper will be open so as to supply cold air to the zone and vice versa in heating mode. - In case all the dampers are closed in that condition indoor fan, outdoor fan & compressor will be off.																								
Picture																									
Parts Supplied	<table><tr><td>Factory Supplied:</td><td></td><td>Purchased Locally:</td></tr><tr><td>PCB Controller Zone.....</td><td>1EA</td><td>Damper Motor</td></tr><tr><td>Trans</td><td>1EA</td><td>Thermostat</td></tr><tr><td>Case</td><td>1EA</td><td>Damper</td></tr><tr><td>Cover</td><td>1EA</td><td></td></tr><tr><td>Main lead wires</td><td>1EA</td><td></td></tr><tr><td>Screws</td><td>1EA</td><td></td></tr><tr><td>Supporter</td><td>1EA</td><td></td></tr></table>	Factory Supplied:		Purchased Locally:	PCB Controller Zone.....	1EA	Damper Motor	Trans	1EA	Thermostat	Case	1EA	Damper	Cover	1EA		Main lead wires	1EA		Screws	1EA		Supporter	1EA	
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Applicable Models	Applicable to Ceiling Concealed Duct, Ducted Split & Single Package type air conditioners.																								

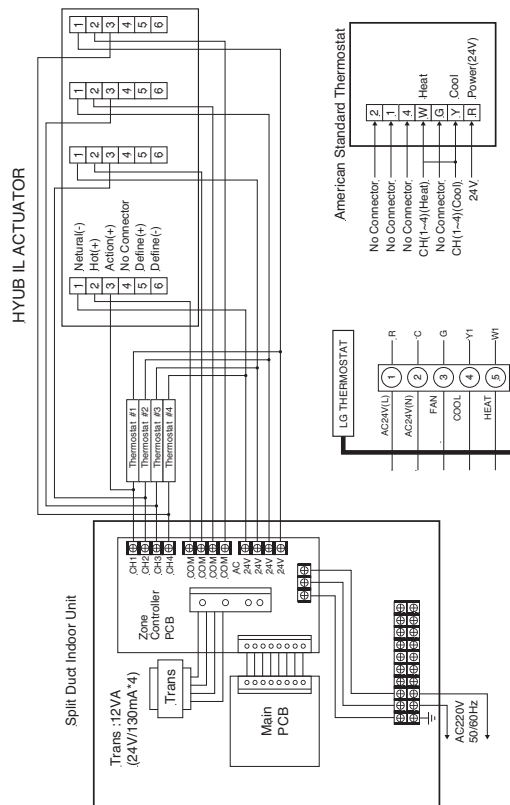
Installation Procedure

- The controller should be mounted to control panel using 4screws supplied.
- Fasten it to any holes on control panel as long as there is enough space to install. If necessary drill holes to install on proper position.
- When drilling, ensure that metal swarf does not foul any electronic components.

Wiring Diagram



- Connect Damper Motor to Zone Controller according to Damper Motor maker's manuals.
- Connect thermostat to Zone Controller according to thermostat maker's manuals.
- Connect main lead wires between main PCB and Zone Controller.



- ✦ If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- ✦ Means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.
- ✦ Qualified service technician is only possible to access to product.

Minimum cross-sectional area of conductors

Rated current of appliance A	Nominal cross-sectional area mm ²
≤0,2	Tinsel cord ^a
>0,2 and ≤3	0,5 ^a
>3 and ≤6	0,75
>6 and ≤10	1,0 (0,75) ^b
>10 and ≤16	1,5 (1,0) ^b
>16 and ≤25	2,5
>25 and ≤32	4
>32 and ≤40	6
>40 and ≤63	10

* ^a These cords may only be used if their length does not exceed 2 m between the point where the cord or cord guard enters the appliance and the entry to the plug.

^b Cords having the cross-sectional areas indicated in the parentheses may be used for portable appliances if their length does not exceed 2 m.

NOTE: For supply cords supplied with multi-phase appliances, the nominal cross-sectional area of the conductors is based on the maximum cross-sectional area of the conductors per phase at the supply cord connection to the appliance terminals.



Manufacturer: LG Electronics Inc. Changwon 2nd factory, 84, Wanam-ro,
Seongsan-gu, Changwon-si, Gyeongsangnam-do, KOREA