



SERVICE AND APPLICATION NOTES

C-15-02
April 20, 2015

Electric Heat Kit Changes

OVERVIEW:

In October of 2014, Underwriters Laboratories advised our industry of new requirements in the 4th Edition of UL1995. A section of these new requirements addresses the line voltage wiring of all electric heat sections including those used in our Lennox air handlers such as the CBX32M, CBX32MV, CBX40UHV, CBX27UH, CBX25UH and CBX25UHV. The new requirement is to break (open) both sides of the 240V line power which feeds the electric heat strip sections when a heat demand is satisfied. In order to meet this new requirement, in some of our heat kit models there was a need to replace existing sequencers with sequencers containing additional contacts, while in other heat kit models, separate additional relays had to be added.

Over the next few months, there will be a phase out of the original electric heat kits and a phase in of the electric heat kits containing the newly mandated wiring changes. The information below shows the original catalog and dash numbers on the left hand side of the tables. The right hand side of the tables shows the new catalog and model dash numbers.

AFFECTED PRODUCTS:

Single-Phase Electric Heat Kit Models — Used in CBX32M and CBX27UH Air Handlers

Model/Part #	Old Cat #	Volts	Phase	New Cat #	Model No.	Volts	Phase	LENNOX Part #
ECB29-2.5-P	28K30	240/208	1	12L27	ECB29-2.5-6P	240/208	1	102560-08
ECB29-4-P	55W87	240/208	1	12L30	ECB29-4-6P	240/208	1	102560-09
ECB29-4CB-P	55W88	240/208	1	12L45	ECB29-4CB-6P	240/208	1	102561-07
ECB29-5-P	28K31	240/208	1	12L35	ECB29-5-6P	240/208	1	102560-10
ECB29-5CB-P	28K32	240/208	1	12L47	ECB29-5CB-6P	240/208	1	102561-08
ECB29-6-P	47L22	240/208	1	12L44	ECB29-6-6P	240/208	1	102560-11
ECB29-6CB-P	47L23	240/208	1	12L49	ECB29-6CB-6P	240/208	1	102561-09
ECB29-8-P	28K33	240/208	1	12L50	ECB29-8-6P	240/208	1	102792-06
ECB29-8CB-P	28K34	240/208	1	12L52	ECB29-8CB-6P	240/208	1	102793-08
ECB29-9CB-P	10L11	240/208	1	12L53	ECB29-9CB-6P *	240/208	1	102793-09
				13T79	ECB29-9CB-7P			102793-11
ECB29EH-9CB	91K67	240/208	1					
ECB29-10-P	28K35	240/208	1	12L51	ECB29-10-6P *	240/208	1	102792-07
				13T83	ECB29-10-7P			102792-08
ECB29-10CB-P	28K36	240/208	1	12L54	ECB29-10CB-6P *	240/208	1	102793-10
				13T87	ECB29-10CB-7P			102793-12
ECB29-12.5CB-P	28K37	240/208	1	12L55	ECB29-12.5CB-6P *	240/208	1	102794-08
				13T88	ECB29-12.5CB-7P			102794-10
ECB29EH-12.5CB	91K68	240/208	1					
ECB29-15CB-P	28K38	240/208	1	12L56	ECB29-15CB-6P *	240/208	1	102794-09
				13T91	ECB29-15CB-7P			102794-11
ECB29EH-15CB	91K69	240/208	1					
ECB29-20CB-P	11L31	240/208	1	12L58	ECB29-20CB-8P *	240/208	1	102795-06
				13T92	ECB29-20CB-9P			102795-07
ECB29EH-20CB	91K70	240/208	1					
ECB29-25CB-P	28K40	240/208	1	12L59	ECB29-25CB-6P	240/208	1	102796-03
ECB29-30CB-P	28K41	240/208	1	12L60	ECB29-30CB-6P	240/208		102796-04

NOTE: EvenHeat will not be available in the revised electric heat kits.

* Over the next few months, these electric heat sections will be phased out and replaced with the 13TXX catalog numbers.

Three-Phase Electric Heat Kit Models — Used in CBX32M and CBX27UH Air Handlers

Model/Part #	Old Cat #	Volts	Phase	New Cat #	Model No.	Volts	Phase	LENNOX Part #
ECB29-8-Y	28K42	240/208	3	12L61	ECB29-8-4Y	240/208	3	102797-03
ECB29-10-Y	28K43	240/208	3	12L62	ECB29-10-4Y	240/208	3	102797-04
ECB29-15CB-Y	28K44	240/208	3	12L63	ECB29-15CB-4Y	240/208	3	102798-02
ECB29-20CB-Y	28K45	240/208	3	12L64	ECB29-20CB-4Y	240/208	3	102799-03
ECB29-25CB-Y	28K46	240/208	3	12L65	ECB29-25CB-4Y	240/208	3	102799-04

Single-Phase ECB40 Electric Heat Kit Models — Used in CBX40UHV and CBX32MV Air Handlers

Model/Part #	Old Cat #	Volts	Phase	New Cat #	Model No.	Volts	Phase	LENNOX Part #
ECB40-2.5-1P	34W86	240/208	1	12L68	ECB40-2.5-2P	240/208	1	102113-02
ECB40-4-1P	55W89	240/208	1	12L76	ECB40-4-2P	240/208	1	102562-02
ECB40-4CB-1P	55W90	240/208	1	12L78	ECB40-4CB-2P	240/208	1	102563-02
ECB40-5-1P	34W87	240/208	1	12L79	ECB40-5-2P	240/208	1	102114-02
ECB40-5CB-1P	34W90	240/208	1	12L88	ECB40-5CB-2P	240/208	1	102117-02
ECB40-6-1P	34W88	240/208	1	12L86	ECB40-6-2P	240/208	1	102115-02
ECB40-6CB-1P	34W91	240/208	1	12L89	ECB40-6CB-2P	240/208	1	102118-02
ECB40-8-1P	34W89	240/208	1	12L87	ECB40-8-2P	240/208	1	102116-02
ECB40-8CB-1P	34W92	240/208	1	12L90	ECB40-8CB-2P	240/208	1	102119-02
ECB40-9CB-1P	34W93	240/208	1	12L91	ECB40-9CB-2P	240/208	1	102120-02
ECB40-12.5CB-1P	34W94	240/208	1	12L92	ECB40-12.5CB-2P	240/208	1	102121-02
ECB40-15CB-1P	34W95	240/208	1	12L93	ECB40-15CB-2P	240/208	1	102122-02
ECB40-20CB-1P	34W96	240/208	1	12L94	ECB40-20CB-2P	240/208	1	102123-02
ECB40-25CB-1P	34W97	240/208	1	12L95	ECB40-25CB-2P	240/208	1	102124-02

Three-Phase ECB40 Electric Heat Kit Models — Used in CBX40UHV and CBX32MV Air Handlers

Model/Part #	Old Cat #	Volts	Phase	New Cat #	Model No.	Volts	Phase	LENNOX Part #
ECB40-8-1Y	34W98	240/208	3	12L96	ECB40-8-2Y	240/208	3	102125-02
ECB40-10-1Y	34W99	240/208	3	12L97	ECB40-10-2Y	240/208	3	102126-02
ECB40-15CB-1Y	35W00	240/208	3	12L98	ECB40-15CB-2Y	240/208	3	102127-02
ECB40-20CB-1Y	35W01	240/208	3	12L99	ECB40-20CB-2Y	240/208	3	102128-02
ECB40-25CB-1Y	35W02	240/208	3	12M75	ECB40-25CB-2Y	240/208	3	102129-02

Single-Phase ECB25 Electric Heat Kit Models — Used in CBX25UH and CBX25UHV Air Handlers

Model/Part #	Old Cat #	Volts	Phase	New Cat #	Model No.	Volts	Phase	LENNOX Part #
ECB25-2.5-P	89W42	240/208	1	12R08	ECB25-2.5-P	240/208	1	These heat sections do not have a Lennox part number.
ECB25-5-P	89W43	240/208	1	12R45	ECB25-5-P	240/208	1	
ECB25-5CB-P	89W44	240/208	1	12R60	ECB25-5CB-P	240/208	1	
ECB25-7.5-P	89W46	240/208	1	12R61	ECB25-7.5-P	240/208	1	
ECB25-7.5CB-P	89W45	240/208	1	12S08	ECB25-7.5CB-P	240/208	1	
ECB25-10CB-P	10T37	240/208	1	12S60	ECB25-10CB-P	240/208	1	
ECB25-10CB-P	89W48	240/208	1		ECB25-10CB-P	240/208	1	
ECB25-10-P	89W47	240/208	1	12S59	ECB25-10-P	240/208	1	
ECB25-10-P	10Z43	240/208	1		ECB25-10-P	240/208	1	
ECB25-12.5CB-P	89W49	240/208	1	12S77	ECB25-12.5CB-P	240/208	1	
ECB25-15CB-P	89W50	240/208	1	12S87	ECB25-15CB-P	240/208	1	
ECB25-15CB-P	10T14	240/208	1		ECB25-15CB-P	240/208	1	
ECB25-20CB-P	89W51	240/208	1	12S88	ECB25-20CB-P	240/208	1	
ECB25-20CB-P	10T35	240/208	1		ECB25-20CB-P	240/208	1	