

To Sanyo Denki America Cooling Distributors

SANYO DENKI

June 11th, 2018

SANYO DENKI CO., LTD.
DESIGN DEPT.
COOLING SYSTEMS DIV.
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Notice of Discontinuation Products

For the following reasons, some of our products have become difficult to continue production.

- (1) The product age is old and the production equipment and dies are getting older.
- (2) Some production parts are discontinued.

Since it is difficult to invest new equipment due to a decrease in demand of the applied model in these situations, we would kindly like you to accept to stop our production regarding the model described in the separate sheet. Also, we could propose alternate models in separate sheet for some models, please consider changing to alternative models as well. If you need drawings, materials, etc., please contact our sales department. If you plan to use the applied model in the future, please inform us the required quantity by the last order date below. We appreciate your understanding and cooperation.

Thank you.

Attached data: (1) List of Discontinuation Models
(2) List of Alternate Models for Standard Models

Date of last order: December 1st, 2018

Date of last shipment: December 25th, 2019

Issued By



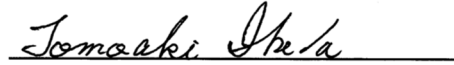
Toshiyuki Nakamura

Design Engineer

Cooling Systems Division

Design Department

Approved By



Tomoaki Ikeda

Department Manager

Chief Engineer

Cooling Systems Division

Design Department

(1) List of Discontinuation Models

80x25mm (9L type)
109L0812F4**
109L0812F4J**
109L0812H4**
109L0812H48*
109L0812H4H*
109L0812L4**
109L0812L4J*
109L0812M4**
109L0812M4E**
109L0812M4H**
109L0812P4H**
109L0812S4**
109L0812T4H**
109L0824F4**
109L0824G4**
109L0824H4**
109L0824H4H**
109L0824H4J**
109L0824L4**
109L0824L4H**
109L0824M4**
109L0824S4**
109L0824S4H**
109L0848A4**
109L0848H4**

80x32mm (9P type)
109P0812A2**
109P0812A2J**
109P0812B2H**
109P0812C2**
109P0812H2**
109P0812H2H**
109P0812H2J**
109P0812H2M**
109P0812HS2**
109P0812M2**
109L0812P2C**
109P0812S2**
109P0812T2A**
109P0815H2M**
109P0824A2**
109P0824A2J**
109P0824F2**
109P0824H2**
109P0824H2J**
109P0824M2**
109P0824M2J**
109P0824S2**
109P0848H2**

92x25mm (9L type)
109L0905M4**
109L0912F4**
109L0912F4H**
109L0912H4**
109L0912H4E**
109L0912H4H**
109L0912H4J**
109L0912L4**
109L0912M4**
109L0912M4H**
109L0912S4**
109L0924F4**
109L0924H4**
109L0924H4H**
109L0924L4**
109L0924M4**
109L0948C4**
109L0948H4**
109L0948V4C**
109L0948V4H**

92x25mm (9P type)
109P0905M4**
109P0912A4**
109P0912BH4**
109P0912F4**
109P0912F4J**
109P0912H4**
109P0912H4E**
109P0912H4H**
109P0912J4**
109P0912L4**
109P0912M4**
109P0912M4H**
109P0912MH4**
109P0912S4**
109P0912SJ4**
109P0912T4H**
109P0912W4**
109P0913N4**
109P0924F4**
109P0924F4H**
109P0924F4J**

92x25mm (9P type)
109P0924H4**
109P0924H4E**
109P0924H4H**
109P0924H4J**
109P0924J4**
109P0924L4**
109P0924M4**
109P0924M4J**
109P0924MH4**
109P0924S4**
109P0924W4**
109P0938H4**
109P0948E4**
109P0948H4**
109P0948M4**
109P0948S4**
109P0948V4**
109P0948W4**

(1) List of Discontinuation Models

120x25mm (9P type)
109P1205M4**
109P1212A4**
109P1212F4**
109P1212F4H**
109P1212FH4**
109P1212H4**
109P1212H4H**
109P1212L4**
109P1212M4**
109P1212M4H**
109P1212M4J**
109P1212MH4**
109P1212T4F**
109P1212T4H**
109P1212T4M**
109P1224AB4**
109P1224BM4**
109P1224CB4**
109P1224F4**
109P1224H4**
109P1224H4H**
109P1224H4J**
109P1224M4**
109P1224M4H**
109P1224MH4**
109P1248F4**
109P1248F4H**

(1) List of Discontinuation Models

120x38mm (9L type)	120x38mm (9R type)	120x38mm (9LB type)
109L1205L1**	109R1205A1**	9LB1212H1**
109L1212H1**	109R1212F1**	9LB1212M1**
109L1212H18*	109R1212H1**	9LB1212MH1**
109L1212H1G**	109R1212H1H**	9LB1224H1**
109L1212M1**	109R1212H1J**	9LB1224M1**
109L1212MH1**	109R1212M1**	9LB1224M1H**
109L1221H1**	109R1212M1H**	9LB1224S1**
109L1224H1**	109R1212MH1**	9LB1227H1H**
109L1224H18*	109R1212MH1D**	9LB1248A1G**
109L1224H1G**	109R1212T1H**	9LB1248H1**
109L1224M1**	109R1212T1M**	9LB1248H18*
109L1224M18*	109R1224H1**	9LB1248M1**
109L1248ES1**	109R1224H1H**	9LB1248M18*
109L1248H1**	109R1224H1J**	
109L1248H18*	109R1224HB1**	
109L1248H1F**	109R1224M1**	
109L1248H1G**	109R1224M1H**	
109L1248KN18*	109R1224M1J**	
109L1248L1**	109R1224MH1**	
109L1248LP1**	109R1238H1**	
109L1248M1**	109R1240H1**	
109L1248M18*	109R1248CH1**	
109L1248M1G**	109R1248DS1**	
109L1248ML1**	109R1248H1**	
109L1248S1**	109R1248H1H**	
109L1248V1A**	109R1248H1J**	
109L1248V1S**	109R1248H1M**	
	109R1248M1**	
	109R1248M1E**	
	109R1248MH1**	
	109R1253F1**	
		120x38mm (9WS type)
		9WS1212H1**
		9WS1212M1**
		9WS1224H1**
		9WS1224M1**
		9WS1248H1**
		9WS1248M1**

(1) List of Discontinuation Models

140x38mm (9L type)
109L1412H1**
109L1412H1H**
109L1412M1**
109L1424H1**
109L1424H1J**
109L1424M1**
109L1448A1**
109L1448B1**
109L1448G1**
109L1448H1**
109L1448M1**
109L1448S1**

140x51mm (9L type)
109L1412H5**
109L1412M5**
109L1412MH5**
109L1424A5**
109L1424H5**
109L1424L5**
109L1424M5**
109L1448B5G**
109L1448F5G**
109L1448F5H**
109L1448H5**
109L1448H5G**
109L1448HM5G**
109L1448M5**
109L1448M5G**
109L1448MB5**
109L1448MH5**

140x51mm (9LB type)
9LB1412H5**
9LB1412M5**
9LB1412S5**
9LB1424B5**
9LB1424H5**
9LB1424H5G**
9LB1424M5**
9LB1424S5**
9LB1424S5G**
9LB1424V5**
9LB1448AS5**
9LB1448F5**
9LB1448H5**
9LB1448H5G**
9LB1448M5**
9LB1448M5G**
9LB1448S5**
9LB1448V5S**

(2) List of Alternative Models for Standard Models

(*) Please contact Sanyo Denki America for custom models' alternatives.

Part Number	Size	Type	Description	Sensor / Control / Addl	Alternate Model
109L0812F401	80x25	DC	12V,Long Life,Rbls	Tach	9LG0812F4001
109L0812F402	80x25	DC	12V,Long Life,Rbls		9LG0812F4002
109L0812F4D01	80x25	DC	12V,Long Life,Rbls	LckRtrSns	9LG0812F4D001
109L0812H401	80x25	DC	12V,Long Life,Rbls	Tach	9LG0812H4001
109L0812H402	80x25	DC	12V,Long Life,Rbls		9LG0812H4002
109L0812H4D01	80x25	DC	12V,Long Life,Rbls	LckRtrSns	9LG0812H4D001
109L0812L401	80x25	DC	12V,Long Life,Rbls	Tach	9LG0812L4001
109L0812L402	80x25	DC	12V,Long Life,Rbls		9LG0812L4002
109L0812L4D01	80x25	DC	12V,Long Life,Rbls	LckRtrSns	9LG0812L4D001
109L0812M401	80x25	DC	12V,Long Life,Rbls	Tach	9LG0812M4001
109L0812M402	80x25	DC	12V,Long Life,Rbls		9LG0812M4002
109L0812M4D01	80x25	DC	12V,Long Life,Rbls	LckRtrSns	9LG0812M4D001
109L0812S401	80x25	DC	12V,Long Life,Rbls	Tach	9LG0812S4001
109L0812S402	80x25	DC	12V,Long Life,Rbls		9LG0812S4002
109L0812S4D01	80x25	DC	12V,Long Life,Rbls	LckRtrSns	9LG0812S4D001
109L0824F401	80x25	DC	24V,Long Life,Rbls	Tach	9LG0824F4001
109L0824F402	80x25	DC	24V,Long Life,Rbls		9LG0824F4002
109L0824F4D01	80x25	DC	24V,Long Life,Rbls	LckRtrSns	9LG0824F4D001
109L0824H401	80x25	DC	24V,Long Life,Rbls	Tach	9LG0824H4001
109L0824H402	80x25	DC	24V,Long Life,Rbls		9LG0824H4002
109L0824H4D01	80x25	DC	24V,Long Life,Rbls	LckRtrSns	9LG0824H4D001
109L0824L401	80x25	DC	24V,Long Life,Rbls	Tach	9LG0824L4001
109L0824L402	80x25	DC	24V,Long Life,Rbls		9LG0824L4002
109L0824L4D01	80x25	DC	24V,Long Life,Rbls	LckRtrSns	9LG0824L4D001
109L0824M401	80x25	DC	24V,Long Life,Rbls	Tach	9LG0824M4001
109L0824M402	80x25	DC	24V,Long Life,Rbls		9LG0824M4002
109L0824M4D01	80x25	DC	24V,Long Life,Rbls	LckRtrSns	9LG0824M4D001
109L0824S401	80x25	DC	24V,Long Life,Rbls	Tach	9LG0824S4001
109L0824S402	80x25	DC	24V,Long Life,Rbls		9LG0824S4002
109L0824S4D01	80x25	DC	24V,Long Life,Rbls	LckRtrSns	9LG0824S4D001
109L0848H401	80x25	DC	48V,Long Life,Rbls	Tach	Call Factory
109L0848H402	80x25	DC	48V,Long Life,Rbls		Call Factory
109L0848H4D01	80x25	DC	48V,Long Life,Rbls	LckRtrSns	Call Factory

(2) List of Alternative Models for Standard Models

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Part Number	Size	Type	Description	Sensor / Control / Addl	Alternate Model
109P0812A201	80x32	DC	12V	Tach	9GA0812A2001
109P0812A2011	80x32	DC	12V,Rbls	Tach	9GA0812A20011
109P0812A202	80x32	DC	12V		9GA0812A2002
109P0812A2021	80x32	DC	12V,Rbls		9GA0812A20021
109P0812A2D01	80x32	DC	12V	LckRtrSns	9GA0812A2D001
109P0812A2D011	80x32	DC	12V,Rbls	LckRtrSns	9GA0812A2D0011
109P0812H201	80x32	DC	12V	Tach	9GA0812B2001
109P0812H2011	80x32	DC	12V,Rbls	Tach	9GA0812B20011
109P0812H202	80x32	DC	12V		9GA0812B2002
109P0812H2021	80x32	DC	12V,Rbls		9GA0812B20021
109P0812H2D01	80x32	DC	12V	LckRtrSns	9GA0812B2D001
109P0812H2D011	80x32	DC	12V,Rbls	LckRtrSns	9GA0812B2D0011
109P0812M201	80x32	DC	12V	Tach	9GA0812L2001
109P0812M2011	80x32	DC	12V,Rbls	Tach	9GA0812L20011
109P0812M2021	80x32	DC	12V,Rbls		9GA0812L20021
109P0812M2D01	80x32	DC	12V	LckRtrSns	9GA0812L2D001
109P0812M2D011	80x32	DC	12V,Rbls	LckRtrSns	9GA0812L2D0011
109P0812S201	80x32	DC	12V	Tach	Call Factory
109P0812S2011	80x32	DC	12V,Rbls	Tach	Call Factory
109P0812S202	80x32	DC	12V		Call Factory
109P0812S2021	80x32	DC	12V,Rbls		Call Factory
109P0824A201	80x32	DC	24V	Tach	9GA0824A2001
109P0824A2011	80x32	DC	24V,Rbls	Tach	9GA0824A20011
109P0824A202	80x32	DC	24V		9GA0824A2002
109P0824A2021	80x32	DC	24V,Rbls		9GA0824A20021
109P0824A2D01	80x32	DC	24V	LckRtrSns	9GA0824A2D001
109P0824H201	80x32	DC	24V	Tach	9GA0824B2001
109P0824H2011	80x32	DC	24V,Rbls	Tach	9GA0824B20011
109P0824H202	80x32	DC	24V		9GA0824B2002
109P0824H2021	80x32	DC	24V,Rbls		9GA0824B20021
109P0824H2D01	80x32	DC	24V	LckRtrSns	9GA0824B2D001
109P0824H2D011	80x32	DC	24V,Rbls	LckRtrSns	9GA0824B2D0011
109P0824M201	80x32	DC	24V	Tach	9GA0824L2001
109P0824M2011	80x32	DC	24V,Rbls	Tach	9GA0824L20011
109P0824M202	80x32	DC	24V		9GA0824L2002
109P0824M2021	80x32	DC	24V,Rbls		9GA0824L20021
109P0824M2D01	80x32	DC	24V	LckRtrSns	9GA0824L2D001
109P0824M2D011	80x32	DC	24V,Rbls	LckRtrSns	9GA0824L2D0011
109P0848H201	80x32	DC	48V	Tach	Call Factory
109P0848H2011	80x32	DC	48V,Rbls	Tach	Call Factory
109P0848H202	80x32	DC	48V		Call Factory
109P0848H2021	80x32	DC	48V,Rbls		Call Factory

(2) List of Alternative Models for Standard Models

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Part Number	Size	Type	Description	Sensor / Control / Addl	Alternate Model
109L0912F401	92x25	DC	12V,Long Life,Rbls	Tach	9LG0912F4001
109L0912F402	92x25	DC	12V,Long Life,Rbls		9LG0912F4002
109L0912F4D01	92x25	DC	12V,Long Life,Rbls	LckRtrSns	9LG0912F4D001
109L0912H401	92x25	DC	12V,Long Life,Rbls	Tach	9LG0912H4001
109L0912H402	92x25	DC	12V,Long Life,Rbls		9LG0912H4002
109L0912H4D01	92x25	DC	12V,Long Life,Rbls	LckRtrSns	9LG0912H4D001
109L0912L401	92x25	DC	12V,Long Life,Rbls	Tach	9LG0912L4001
109L0912L402	92x25	DC	12V,Long Life,Rbls		9LG0912L4002
109L0912L4D01	92x25	DC	12V,Long Life,Rbls	LckRtrSns	9LG0912L4D001
109L0912M401	92x25	DC	12V,Long Life,Rbls	Tach	9LG0912M4001
109L0912M402	92x25	DC	12V,Long Life,Rbls		9LG0912M4002
109L0912M4D01	92x25	DC	12V,Long Life,Rbls	LckRtrSns	9LG0912M4D001
109L0912S401	92x25	DC	12V,Long Life,Rbls	Tach	9LG0912S4001
109L0912S4D01	92x25	DC	12V,Long Life,Rbls	LckRtrSns	9LG0912S4D001
109L0924F401	92x25	DC	24V,Long Life,Rbls	Tach	9LG0924F4001
109L0924F402	92x25	DC	24V,Long Life,Rbls		9LG0924F4002
109L0924F4D01	92x25	DC	24V,Long Life,Rbls	LckRtrSns	9LG0924F4D001
109L0924H401	92x25	DC	24V,Long Life,Rbls	Tach	9LG0924H4001
109L0924H402	92x25	DC	24V,Long Life,Rbls		9LG0924H4002
109L0924H4D01	92x25	DC	24V,Long Life,Rbls	LckRtrSns	9LG0924H4D001
109L0924L401	92x25	DC	24V,Long Life,Rbls	Tach	9LG0924L4001
109L0924L402	92x25	DC	24V,Long Life,Rbls		9LG0924L4002
109L0924L4D01	92x25	DC	24V,Long Life,Rbls	LckRtrSns	9LG0924L4D001
109L0924M401	92x25	DC	24V,Long Life,Rbls	Tach	9LG0924M4001
109L0924M402	92x25	DC	24V,Long Life,Rbls		9LG0924M4002
109L0924M4D01	92x25	DC	24V,Long Life,Rbls	LckRtrSns	9LG0924M4D001
109L0948C401	92x25	DC	48V,Long Life,Rbls	Tach	Call Factory
109L0948C4D01	92x25	DC	48V,Long Life,Rbls	LckRtrSns	Call Factory
109L0948H401	92x25	DC	48V,Long Life,Rbls	Tach	Call Factory
109L0948H402	92x25	DC	48V,Long Life,Rbls		Call Factory
109L0948H4D01	92x25	DC	48V,Long Life,Rbls	LckRtrSns	Call Factory

(2) List of Alternative Models for Standard Models

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Part Number	Size	Type	Description	Sensor / Control / Addl	Alternate Model
109P0912F401	92x25	DC	12V	Tach	9GA0912F401
109P0912F4011	92x25	DC	12V,Rbls	Tach	9GA0912F4011
109P0912F402	92x25	DC	12V		9GA0912F402
109P0912F4021	92x25	DC	12V,Rbls		9GA0912F4021
109P0912F4D01	92x25	DC	12V	LckRtrSns	9GA0912F4D01
109P0912F4D011	92x25	DC	12V,Rbls	LckRtrSns	9GA0912F4D011
109P0912H401	92x25	DC	12V	Tach	9GA0912H401
109P0912H4011	92x25	DC	12V,Rbls	Tach	9GA0912H4011
109P0912H402	92x25	DC	12V		9GA0912H402
109P0912H4021	92x25	DC	12V,Rbls		9GA0912H4021
109P0912H4D01	92x25	DC	12V	LckRtrSns	9GA0912H4D01
109P0912H4D011	92x25	DC	12V,Rbls	LckRtrSns	9GA0912H4D011
109P0912J401	92x25	DC	12V	Tach	9GA0912J401
109P0912J4011	92x25	DC	12V,Rbls	Tach	9GA0912J4011
109P0912J402	92x25	DC	12V		9GA0912J402
109P0912J4021	92x25	DC	12V,Rbls		9GA0912J4021
109P0912J4D01	92x25	DC	12V	LckRtrSns	9GA0912J4D01
109P0912J4D011	92x25	DC	12V,Rbls	LckRtrSns	9GA0912J4D011
109P0912L401	92x25	DC	12V	Tach	9GA0912L401
109P0912L4011	92x25	DC	12V,Rbls	Tach	9GA0912L4011
109P0912L402	92x25	DC	12V		9GA0912L402
109P0912L4021	92x25	DC	12V,Rbls		9GA0912L4021
109P0912L4D01	92x25	DC	12V	LckRtrSns	9GA0912L4D01
109P0912L4D011	92x25	DC	12V,Rbls	LckRtrSns	9GA0912L4D011
109P0912M401	92x25	DC	12V	Tach	9GA0912M401
109P0912M4011	92x25	DC	12V,Rbls	Tach	9GA0912M4011
109P0912M402	92x25	DC	12V		9GA0912M402
109P0912M4021	92x25	DC	12V,Rbls		9GA0912M4021
109P0912M4D01	92x25	DC	12V	LckRtrSns	9GA0912M4D01
109P0912M4D011	92x25	DC	12V,Rbls	LckRtrSns	9GA0912M4D011
109P0912T4H12	92x25	DC	12V	SnsrLss ExtThrmICntrl	Call Factory
109P0912T4H121	92x25	DC	12V,Rbls	SnsrLss ExtThrmICntrl	Call Factory
109P0912T4H122	92x25	DC	12V	SnsrLss IntrnlThrmICntrl	Call Factory
109P0912T4H123	92x25	DC	12V,Rbls	SnsrLss IntrnlThrmICntrl	Call Factory
109P0912W401	92x25	DC	12V	Tach	9GA0912W401
109P0912W4011	92x25	DC	12V,Rbls	Tach	9GA0912W4011
109P0912W402	92x25	DC	12V		9GA0912W402
109P0912W4021	92x25	DC	12V,Rbls		9GA0912W4021
109P0912W4D01	92x25	DC	12V	LckRtrSns	9GA0912W4D01
109P0912W4D011	92x25	DC	12V,Rbls	LckRtrSns	9GA0912W4D011

(2) List of Alternative Models for Standard Models

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Part Number	Size	Type	Description	Sensor / Control / Addl	Alternate Model
109P0924F401	92x25	DC	24V	Tach	9GA0924F401
109P0924F4011	92x25	DC	24V,Rbls	Tach	9GA0924F4011
109P0924F402	92x25	DC	24V		9GA0924F402
109P0924F4021	92x25	DC	24V,Rbls		9GA0924F4021
109P0924F4D01	92x25	DC	24V	LckRtrSns	9GA0924F4D01
109P0924F4D011	92x25	DC	24V,Rbls	LckRtrSns	9GA0924F4D011
109P0924H401	92x25	DC	24V	Tach	9GA0924H401
109P0924H4011	92x25	DC	24V,Rbls	Tach	9GA0924H4011
109P0924H402	92x25	DC	24V		9GA0924H402
109P0924H4021	92x25	DC	24V,Rbls		9GA0924H4021
109P0924H4D01	92x25	DC	24V	LckRtrSns	9GA0924H4D01
109P0924H4D011	92x25	DC	24V,Rbls	LckRtrSns	9GA0924H4D011
109P0924L401	92x25	DC	24V	Tach	9GA0924L401
109P0924L402	92x25	DC	24V		9GA0924L402
109P0924L4021	92x25	DC	24V,Rbls		9GA0924L4021
109P0924L4D01	92x25	DC	24V	LckRtrSns	9GA0924L4D01
109P0924L4D011	92x25	DC	24V,Rbls	LckRtrSns	9GA0924L4D011
109P0924M401	92x25	DC	24V	Tach	9GA0924M401
109P0924M4011	92x25	DC	24V,Rbls	Tach	9GA0924M4011
109P0924M402	92x25	DC	24V		9GA0924M402
109P0924M4021	92x25	DC	24V,Rbls		9GA0924M4021
109P0924M4D01	92x25	DC	24V	LckRtrSns	9GA0924M4D01
109P0924M4D011	92x25	DC	24V,Rbls	LckRtrSns	9GA0924M4D011
109P0924W401	92x25	DC	24V	Tach	9GA0924W401
109P0924W4011	92x25	DC	24V,Rbls	Tach	9GA0924W4011
109P0924W402	92x25	DC	24V		9GA0924W402
109P0924W4021	92x25	DC	24V,Rbls		9GA0924W4021
109P0924W4D01	92x25	DC	24V	LckRtrSns	9GA0924W4D01
109P0924W4D011	92x25	DC	24V,Rbls		9GA0924W4D011
109P0948H401	92x25	DC	48V	Tach	Call Factory
109P0948H4011	92x25	DC	48V,Rbls	Tach	Call Factory
109P0948H402	92x25	DC	48V		Call Factory
109P0948H4021	92x25	DC	48V,Rbls		Call Factory
109P0948H4D01	92x25	DC	48V	LckRtrSns	Call Factory
109P0948H4D011	92x25	DC	48V,Rbls	LckRtrSns	Call Factory

Part Number	Size	Type	Description	Sensor / Control / Addl	Alternate Model
109P1212H4D01	120x25	DC	12V	LckRtrSns	9G1212H4D01
109P1212T4H12	120x25	DC	12V	SnsrLss ExtThrmICntrl	Call Factory
109P1212T4H121	120x25	DC	12V,Rbls	SnsrLss ExtThrmICntrl	Call Factory
109P1212T4H122	120x25	DC	12V	SnsrLss IntrnlThrmICntrl	Call Factory
109P1212T4H123	120x25	DC	12V,Rbls	SnsrLss IntrnlThrmICntrl	Call Factory

(2) List of Alternative Models for Standard Models

(*) Please contact Sanyo Denki America for custom models' alternatives.

Part Number	Size	Type	Description	Sensor / Control / Addl	Alternate Model
109L1212H102	120x38	DC	12V,Long Life,Rbls		9LG1212F1002
109L1224H101	120x38	DC	24V,Long Life,Rbls	Tach	9LG1224F1001
109L1224H102	120x38	DC	24V,Long Life,Rbls		9LG1224F1002
109L1224H1D01	120x38	DC	24V,Long Life,Rbls		9LG1224F1D001
109L1248M1D01	120x38	DC	48V,Long Life,Rbls	LckRtrSns	9LG1248M1D001

Part Number	Size	Type	Description	Sensor / Control / Addl	Alternate Model
109R1212H101	120x38	DC	12V	Tach	9G1212H101
109R1212H1011	120x38	DC	12V,Rbls	Tach	9G1212H1011
109R1212H102	120x38	DC	12V		9G1212H102
109R1212H1021	120x38	DC	12V,Rbls		9G1212H1021
109R1212H1D01	120x38	DC	12V	LckRtrSns	9G1212H1D01
109R1212H1D011	120x38	DC	12V,Rbls	LckRtrSns	9G1212H1D011
109R1212H1H01	120x38	DC	12V	Low Speed Sensor	Call Factory
109R1212H1H011	120x38	DC	12V,Rbls	Low Speed Sensor	Call Factory
109R1212M101	120x38	DC	12V	Tach	9G1212M101
109R1212M102	120x38	DC	12V		9G1212M102
109R1212M1021	120x38	DC	12V,Rbls		9G1212M1021
109R1212M1E01	120x38	DC	12V	LckRtrSns	9G1212M1E01
109R1212MH102	120x38	DC	12V, Two Speed		9G1212MH102
109R1212T1H112	120x38	DC	12V	Tach, IntrnlThrmICntrl	Call Factory
109R1212T1H12	120x38	DC	12V	SnsrLss ExtThrmICntrl	Call Factory
109R1212T1H121	120x38	DC	12V,Rbls	SnsrLss ExtThrmICntrl	Call Factory
109R1212T1H122	120x38	DC	12V	SnsrLss IntrnlThrmICntrl	Call Factory
109R1212T1H123	120x38	DC	12V	SnsrLss IntrnlThrmICntrl	Call Factory
109R1224H101	120x38	DC	24V	Tach	9G1224H101
109R1224H1011	120x38	DC	24V,Rbls	Tach	9G1224H1011
109R1224H102	120x38	DC	24V		9G1224H102
109R1224H1021	120x38	DC	24V,Rbls		9G1224H1021
109R1224H1D01	120x38	DC	24V	LckRtrSns	9G1224H1D01
109R1224H1D011	120x38	DC	24V,Rbls	LckRtrSns	9G1224H1D011
109R1224M1D01	120x38	DC	24V	LckRtrSns	9G1224M1D01
109R1248H1011	120x38	DC	48V,Rbls	Tach	9G1248H1011
109R1248H102	120x38	DC	48V		9G1248H102
109R1248H1D01	120x38	DC	48V,Rbls	LckRtrSns	9G1248H1D01

(2) List of Alternative Models for Standard Models

(*) Please contact Sanyo Denki America for custom models' alternatives.

Part Number	Size	Type	Description	Sensor / Control / Addl	Alternate Model
9LB1212H101	120x38	DC	12V,Long Life,Rbls	Tach	9LG1224F1001
9LB1212H102	120x38	DC	12V,Long Life,Rbls		9LG1224F1002
9LB1212H1D01	120x38	DC	12V,Long Life,Rbls	LckRtrSns	9LG1224F1D001
9LB1212M101	120x38	DC	12V,Long Life,Rbls	Tach	9LG1212M1001
9LB1212M102	120x38	DC	12V,Long Life,Rbls		9LG1212M1002
9LB1212M1D01	120x38	DC	12V,Long Life,Rbls	LckRtrSns	9LG1212M1D001
9LB1224H101	120x38	DC	24V,Long Life,Rbls	Tach	9LG1224F1001
9LB1224H102	120x38	DC	24V,Long Life,Rbls		9LG1224F1002
9LB1224H1D01	120x38	DC	24V,Long Life,Rbls	LckRtrSns	9LG1224F1D001
9LB1224M101	120x38	DC	24V,Long Life,Rbls	Tach	9LG1224M1001
9LB1224M102	120x38	DC	24V,Long Life,Rbls		9LG1224M1002
9LB1224M1D01	120x38	DC	24V,Long Life,Rbls	LckRtrSns	9LG1224M1D001
9LB1224S101	120x38	DC	24V,Long Life,Rbls	Tach	9LG1224A1001
9LB1224S102	120x38	DC	24V,Long Life,Rbls		9LG1224A1002
9LB1224S1D01	120x38	DC	24V,Long Life,Rbls	LckRtrSns	9LG1224A1D001
9LB1248H101	120x38	DC	48V,Long Life,Rbls	Tach	9LG1248F1001
9LB1248H102	120x38	DC	48V,Long Life,Rbls		9LG1248F1002
9LB1248H1D01	120x38	DC	48V,Long Life,Rbls	LckRtrSns	9LG1248F1D001
9LB1248M101	120x38	DC	48V,Long Life,Rbls	Tach	9LG1248M1001
9LB1248M102	120x38	DC	48V,Long Life,Rbls		9LG1248M1002
9LB1248M1D01	120x38	DC	48V,Long Life,Rbls	LckRtrSns	9LG1248M1D001

Part Number	Size	Type	Description	Sensor / Control / Addl	Alternate Model
9WS1212H101	120x38	DC	12V,Splash Proof	Tach	9WP1212H101
9WS1212H1011	120x38	DC	12V,Splash Proof,Rbls	Tach	9WP1212H1011
9WS1212H102	120x38	DC	12V,Splash Proof		9WP1212H102
9WS1212H1021	120x38	DC	12V,Splash Proof,Rbls		9WP1212H1021
9WS1212M101	120x38	DC	12V,Splash Proof	Tach	9WP1212M101
9WS1212M1011	120x38	DC	12V,Splash Proof,Rbls	Tach	9WP1212M1011
9WS1212M102	120x38	DC	12V,Splash Proof		9WP1212M102
9WS1212M1021	120x38	DC	12V,Splash Proof,Rbls		9WP1212M1021
9WS1224H101	120x38	DC	24V,Splash Proof	Tach	9WP1224H101
9WS1224H1011	120x38	DC	24V,Splash Proof,Rbls	Tach	9WP1224H1011
9WS1224H102	120x38	DC	24V,Splash Proof		9WP1224H102
9WS1224H1021	120x38	DC	24V,Splash Proof,Rbls		9WP1224H1021
9WS1224M101	120x38	DC	24V,Splash Proof	Tach	9WP1224M101
9WS1224M1011	120x38	DC	24V,Splash Proof,Rbls	Tach	9WP1224M1011
9WS1224M102	120x38	DC	24V,Splash Proof		9WP1224M102
9WS1224M1021	120x38	DC	24V,Splash Proof,Rbls		9WP1224M1021
9WS1248H101	120x38	DC	48V,Splash Proof	Tach	9WP1248H101
9WS1248H1011	120x38	DC	48V,Splash Proof,Rbls	Tach	9WP1248H1011
9WS1248H102	120x38	DC	48V,Splash Proof		9WP1248H102
9WS1248H1021	120x38	DC	48V,Splash Proof,Rbls		9WP1248H1021
9WS1248H1D01	120x38	DC	48V,Splash Proof	LckRtrSns	9WP1248H1D011
9WS1248M101	120x38	DC	48V,Splash Proof	Tach	9WP1248M101
9WS1248M1011	120x38	DC	48V,Splash Proof,Rbls	Tach	9WP1248M1011
9WS1248M102	120x38	DC	48V,Splash Proof		9WP1248M102
9WS1248M1021	120x38	DC	48V,Splash Proof,Rbls		9WP1248M1021

(2) List of Alternative Models for Standard Models

(*) Please contact Sanyo Denki America for custom models' alternatives.

Part Number	Size	Type	Description	Sensor / Control / Addl	Alternate Model
109L1412H101	140x38	DC	12V,Long Life,Rbls	Tach	9LG1412M1001
109L1412H102	140x38	DC	12V,Long Life,Rbls		9LG1412M1002
109L1412H1D01	140x38	DC	12V,Long Life,Rbls	LckRtrSns	9LG1412M1D001
109L1412M101	140x38	DC	12V,Long Life,Rbls	Tach	9LG1412L1001
109L1412M102	140x38	DC	12V,Long Life,Rbls		9LG1412L1002
109L1424H101	140x38	DC	24V,Long Life,Rbls	Tach	9LG1424M1001
109L1424H102	140x38	DC	24V,Long Life,Rbls		9LG1424M1002
109L1424H1D01	140x38	DC	24V,Long Life,Rbls	LckRtrSns	9LG1424M1D001
109L1424M101	140x38	DC	24V,Long Life,Rbls	Tach	9LG1424L1001
109L1424M102	140x38	DC	24V,Long Life,Rbls		9LG1424L1002
109L1448H101	140x38	DC	48V,Long Life,Rbls	Tach	9LG1448M1001
109L1448H102	140x38	DC	48V,Long Life,Rbls		9LG1448M1002
109L1448M101	140x38	DC	48V,Long Life,Rbls	Tach	9LG1448L1001
109L1448M102	140x38	DC	48V,Long Life,Rbls		9LG1448L1002

Part Number	Size	Type	Description	Sensor / Control / Addl	Alternate Model
9LB1412H501	140x51	DC	12V,Long Life,Rbls	Tach	9LG1412H5001
9LB1412H502	140x51	DC	12V,Long Life,Rbls		9LG1412H5002
9LB1412H5D01	140x51	DC	12V,Long Life,Rbls	LckRtrSns	9LG1412H5D001
9LB1412M501	140x51	DC	12V,Long Life,Rbls	Tach	9LG1412M5001
9LB1412M502	140x51	DC	12V,Long Life,Rbls		9LG1412M5002
9LB1412M5D01	140x51	DC	12V,Long Life,Rbls	LckRtrSns	9LG1412M5D001
9LB1412S501	140x51	DC	12V,Long Life,Rbls	Tach	9LG1412A5001
9LB1412S502	140x51	DC	12V,Long Life,Rbls		9LG1412A5002
9LB1412S5D01	140x51	DC	12V,Long Life,Rbls	LckRtrSns	9LG1412A5D001
9LB1424H501	140x51	DC	24V,Long Life,Rbls	Tach	9LG1424H5001
9LB1424H502	140x51	DC	24V,Long Life,Rbls		9LG1424H5002
9LB1424H5D01	140x51	DC	24V,Long Life,Rbls	LckRtrSns	9LG1424H5D001
9LB1424M501	140x51	DC	24V,Long Life,Rbls	Tach	9LG1424M5001
9LB1424M502	140x51	DC	24V,Long Life,Rbls		9LG1424M5002
9LB1424M5D01	140x51	DC	24V,Long Life,Rbls	LckRtrSns	9LG1424M5D001
9LB1424S501	140x51	DC	24V,Long Life,Rbls	Tach	9LG1424A5001
9LB1424S502	140x51	DC	24V,Long Life,Rbls		9LG1424A5002
9LB1424S5D01	140x51	DC	24V,Long Life,Rbls	LckRtrSns	9LG1424A5D001
9LB1448H501	140x51	DC	48V,Long Life,Rbls	Tach	9LG1448H5001
9LB1448H502	140x51	DC	48V,Long Life,Rbls		9LG1448H5002
9LB1448H5D01	140x51	DC	48V,Long Life,Rbls	LckRtrSns	9LG1448H5D001
9LB1448M501	140x51	DC	48V,Long Life,Rbls	Tach	9LG1448M5001
9LB1448M502	140x51	DC	48V,Long Life,Rbls		9LG1448M5002
9LB1448M5D01	140x51	DC	48V,Long Life,Rbls	LckRtrSns	9LG1448M5D001
9LB1448S501	140x51	DC	48V,Long Life,Rbls	Tach	9LG1448A5001
9LB1448S502	140x51	DC	48V,Long Life,Rbls		9LG1448A5002
9LB1448S5D01	140x51	DC	48V,Long Life,Rbls	LckRtrSns	9LG1448A5D001