

General Accessories for AC Drives

Drives Accessories – Line/Load Reactors

LR(2) Series Line Reactors

Input line reactors protect the AC drive from transient overvoltage conditions typically caused by utility capacitor switching. Input line reactors also reduce the harmonics associated with AC drives and are recommended for all installations.

Output line (load) reactors protect the motor insulation against AC drive short circuits and IGBT reflective wave damage, and also allow the motor to run cooler by “smoothing” the motor current waveform. They are recommended for operating “non-inverter-duty” motors, and for any motors where the length of wiring between the AC drive and motor is less than 100 feet. For AC Drive-to-Motor wiring distances over 100 feet, use of the VTF series output filter is recommended.

Features:

- Universal mounting feet with multiple mounting slots; can replace most reactors using existing mounting holes
- Short-term overload rating: 200% of rated current for 3 minutes maximum
- Overload inductance: 95% @ 110% load; 80% @ 150% load
- Impedance: 3%
- 10-year warranty

Agency Approvals:

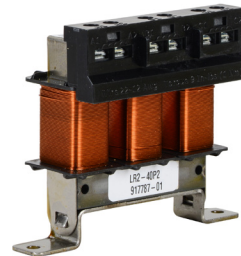
- cULus listed (E197592)
- CE marked
- RoHS



LR2-10P2-1PH

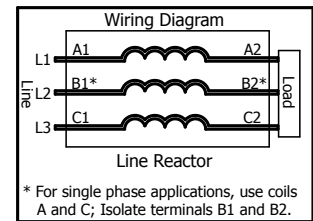


LR-2100



LR2-40P2

Typical Line Reactors



Wiring

LR(2) Series Line/Load Reactors – Compatibility with AutomationDirect AC Drives

- For Reactor compatibility with CFW100 AC Drives, please refer to [WEG CFW100 AC Drives - Accessories on page tCFW-15](#).
- For Reactor compatibility with CFW300 AC Drives, please refer to [WEG CFW300 AC Drives - Accessories on page tCFW-8](#).
- For Reactor compatibility with GS1 AC Drives, please refer to [GS1 Series Specifications on page tGSX-2](#).
- For Reactor compatibility with GS2 AC Drives, please refer to [GS2 Series Specifications on page tGSX-52](#).
- For Reactor compatibility with GS3 AC Drives, please refer to [LR Series Line Reactors on page tGSX-111](#).
- For Reactor compatibility with GS4 AC Drives, please refer to [GS4 DURApulse Drives Accessories - Line/Load Reactors on page tGSX-113](#).
- For Reactor compatibility with GS20(X) AC Drives, please refer to [GS20\(X\) Optional Accessories - Line Reactors/VTF Filters on page tGSX-44](#).

Drives Accessories – Line/Load Reactors

LR(2) Series Line/Load Reactors for AC Drives – Specifications

Line/Load Reactors for AC Drives – LR(2) Series												
Part Number (0)	Price	Dimension Drawing	Max Rated Amps	Inductance [mH]	Watt Loss	System Voltage	Weight (lb [kg])	Wire Range	Terminal Torque (lb-in)	Operating Temperature	Storage Temperature	Environment
LR2-10P2-1PH (2)		13	10	1.35	21		4	18–12 AWG	10	-40 – 104 °F [-40 – 40 °C]	-40 – 149 °F [-40 – 65 °C]	NEMA: open IP00 no corrosive gases
LR2-10P5-1PH (2)		13	12	0.971	29		4	18–12 AWG	10			
LR2-11P0-1PH (1)(2)		14	17	1.03	53		8	18–4 AWG	20			
LR2-11P5-1PH (2)		15	34	0.342	64		12	18–4 AWG	20			
LR2-20P2-1PH (2)(3)		16	4.2	6.4	23.5	240	1.4	22–12 AWG	9	122°F [50°C] max	-40 – 149 °F [-40 – 65 °C]	NEMA: open IP00 no corrosive gases
LR2-20P2 (3)		16	3.4	7.4	26.4	240	1.4	22–12 AWG	9	122°F [50°C] max		
LR2-20P5-1PH (2)		17	7.6	3.56	39	240	3	22–12 AWG	9	122°F [50°C] max		
LR2-20P5 (3)		16	5	4.6	30.6	240	1.4	22–12 AWG	9	122°F [50°C] max		
LR2-20P7 (3)		17	8.2	2.9	49	240	3	22–12 AWG	9	122°F [50°C] max		
LR-21P0-1PH (2)		1	8	2.29	15.9	115	2.8 [1.3]	18–12 AWG	10	104°F [40°C] max		
LR2-21P0-1PH (1)(2)(3)		13	10	2.31	31	240	4	18–12 AWG	10	104°F [40°C] max		
LR2-21P0 (3)		17	11.6	2.0	64	240	3.2	22–12 AWG	9	122°F [50°C] max		
LR2-21P5-1PH (2)(3)		13	14	1.68	40	240	4	18–12 AWG	10	104°F [40°C] max		
LR2-21P5 (3)		17	11.6	2.0	64	240	3.2	22–12 AWG	9	122°F [50°C] max		
LR-22P0-1PH (2)		2	12	1.53	24.3	115	4.3 [2.0]	18–12 AWG	20	104°F [40°C] max		
LR2-22P0-1PH (1)(2)(3)		14	17	1.03	53	240	8	18–4 AWG	20	104°F [40°C] max		
LR2-22P0 (3)		17	11.6	2.0	64	240	3.2	22–12 AWG	9	122°F [50°C] max		
LR-23P0-1PH (2)		2	17	1.08	27.3	115	4.3 [2.0]	18–12 AWG	20	104°F [40°C] max		
LR-23P0		3	10.6	0.97	38	208/240	4.0 [1.8]	18–12 AWG	10	104°F [40°C] max		
LR-25P0		4	16.7	0.626	48	208/240	8.0 [3.6]	18–4 AWG	20	104°F [40°C] max		
LR-27P5		4	24.2	0.434	65	208/240	8.0 [3.6]	18–4 AWG	20	104°F [40°C] max		
LR-2010		5	30.8	0.342	96	208/240	12 [5.4]	18–4 AWG	20	104°F [40°C] max		
LR-2015		5	46.2	0.22	64	208/240	12 [5.4]	18–4 AWG	20	104°F [40°C] max		
LR-2020		5	59.4	0.172	85	208/240	12 [5.4]	18–4 AWG	20	104°F [40°C] max		
LR-2025		6	74.8	0.138	94	208/240	15 [6.8]	18–4 AWG	18–16 AWG: 25 14–6 AWG: 30 4 AWG: 35	104°F [40°C] max		
LR-2030		7	88	0.116	135	208/240	33 [15]	6AWG–2/0 (AL or CU)	120	104°F [40°C] max		
LR-2040		7	114	0.0886	149	208/240	33 [15]	6AWG–2/0 (AL or CU)	120	104°F [40°C] max		
LR-2050		8	143	0.0699	154	208/240	36 [16]	6AWG–250kcmil (AL or CU)	275	104°F [40°C] max		
LR-2060		18	180	0.0624	209	208/240	46	6AWG–250MCM	275	104°F [40°C] max		
LR-2075		19	211	0.0487	294	208/240	52	4AWG–600MCM	500	104°F [40°C] max		
LR-2100		19	280	0.0364	276	208/240	52	4AWG–600MCM	500	104°F [40°C] max		

0) Impedance = 3% for all reactors, except as otherwise noted.

1) Impedance = 5% for reactors marked with this note, but they function as 3% reactors in the ADC drive application.

2) Single-phase line reactors are for use only with single-phase drive inputs. Single-phase line reactors should NOT be installed on the output side of AC drives.

3) Optional mounting accessories are available for these models. See "Line/Load Reactors – Mounting Accessories" section for details.

4) LR-4250 & LR-4300 have dual-connector lugs, and will require multiple conductors per phase of the appropriate size to fit the lugs.

(table continued next page)

Drives Accessories – Line/Load Reactors

LR(2) Series Line/Load Reactors for AC Drives – Specifications

Line/Load Reactors for AC Drives – LR(2) Series (continued from previous page)														
Part Number (1)	Price	Dimension Drawing	Max Rated Amps	Inductance [mH]	Watt Loss	System Voltage	Weight (lb [kg])	Wire Range	Terminal Torque [lb-in]	Operating Temperature	Storage Temperature	Environment		
LR2-40P2 (3)		16	1.4	31.5	5	480	1.3	22–12 AWG	9	122°F [50°C] max	-40 – 149 °F [-40 – 65 °C]	NEMA: open IP00 no corrosive gases		
LR2-40P3 (3)		16	1.7	27.6	6.2		1.3	22–12 AWG	9	122°F [50°C] max				
LR2-40P5 (3)		16	1.6	20	9.7		1.3	22–12 AWG	9	122°F [50°C] max				
LR2-40P7 (3)		16	2.3	13.8	12.1		1.3	22–12 AWG	9	122°F [50°C] max				
LR2-41P0 (3)		16	2.3	10.5	25.2		1.2	22–12 AWG	9	122°F [50°C] max				
LR2-41P5 (3)		16	3.4	7.4	26.4		1.4	22–12 AWG	9	122°F [50°C] max				
LR2-42P0 (3)		16	4.2	6.5	23.5		1.4	22–12 AWG	9	122°F [50°C] max				
LR2-43P0 (3)		16	5	4.6	30.6		1.4	22–12 AWG	9	122°F [50°C] max				
LR2-44P0 (3)		17	7.6	3.56	39		3	22–12 AWG	9	122°F [50°C] max				
LR2-45P0 (3)		17	8.2	2.9	49		3	22–12 AWG	9	122°F [50°C] max				
LR2-47P5 (3)		17	11.6	2	64		3.2	22–12 AWG	9	122°F [50°C] max				
LR-4010		3	14	1.29	64		4.0 [1.8]	18–12 AWG	10	104°F [40°C] max				
LR-4015		4	21	0.912	65		8.0 [3.6]	18–4 AWG	20	104°F [40°C] max				
LR-4020		4	27	0.694	79		8.0 [3.6]	18–4 AWG	20	104°F [40°C] max				
LR-4025		5	34	0.569	96		10 [4.5]	18–4 AWG	20	104°F [40°C] max				
LR-4030		5	40	0.469	105		10 [4.5]	18–4 AWG	20	104°F [40°C] max				
LR-4040		6	52	0.387	114		15 [6.8]	18–4 AWG	20	104°F [40°C] max				
LR-4050		9	65	0.295	114									
LR-4060		9	77	0.227	169		25 [11]	#22–4 AWG	22–16 AWG: 25 14–6 AWG: 30 4 AWG: 35	104°F [40°C] max				
LR-4075		7	96	0.196	193		33 [15]	2/0 – 6AWG (AL or CU)	120	104°F [40°C] max				
LR-4100		10	124	0.152	225									
LR-4125		10	156	0.117	254		46 [21]	250kcmil – 6AWG (AL or CU)	275	104°F [40°C] max				
LR-4150		10	180	0.103	299									
LR-4200		11	240	0.0839	280		74 [34]	(1) 4 AWG – 600kcmil (2) 1/0 – 250kcmil	500	104°F [40°C] max				
LR-4250 (4)		12	302	0.0654	337		74 [34]	(2)** 4 AWG – 350kcmil (AL or CU)	275	104°F [40°C] max				
LR-4300 (4)		12	361	0.0565	381									
LR2-51P0 (3)		16	2.1	16.2	16.2		1.3	22–12 AWG	9	122°F [50°C] max				
LR2-51P5 (3)		16	3.4	11.5	17.2		1.4	22–12 AWG	9	122°F [50°C] max				
LR2-52P0 (3)		16	3.2	10.2	20.5	1.5	22–12 AWG	9	122°F [50°C] max					
LR2-53P0 (3)		17	4.8	7.07	30	3.5	22–12 AWG	9	122°F [50°C] max					
LR2-54P0 (3)		17	7.6	5.63	30	2.9	22–12 AWG	9	122°F [50°C] max					
LR2-55P0 (3)		17	7.6	4.52	44	3	22–12 AWG	9	122°F [50°C] max					
LR2-57P5 (3)		17	9.6	3.1	57	3.2	22–12 AWG	9	122°F [50°C] max					
LR-5010		3	11	2.47	43.8	4.0 [1.8]	18–12 AWG	10	104°F [40°C] max					

1) Impedence = 3% for all reactors.

2) Single-phase line reactors are for use only with single-phase drive inputs. Single-phase line reactors should NOT be installed on the output side of AC drives.

3) Optional mounting accessories are available for these models. See “Line/Load Reactors – Mounting Accessories” section for details.

4) LR-4250 & LR-4300 have dual-connector lugs, and will require multiple conductors per phase of the appropriate size to fit the lugs.

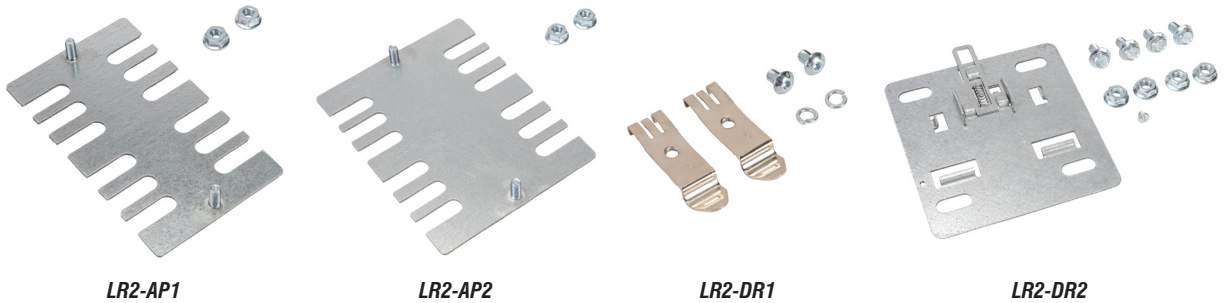
Drives Accessories – Line/Load Reactor Mounting Accessories

LR(2) Series Line/Load Reactors – Mounting Accessories

LR(2) series reactors have differing mounting options depending on the model. The models listed below have an integral two-bolt mounting method, and also offer optional mounting adapters that allow other mounting methods.

Adapter Plate Kits [LR2-AP1](#) and [LR2-AP2](#) allow for universal panel mounting with these models.

DIN Rail Mounting Kits [LR2-DR1](#) and [LR2-DR2](#) allow DIN rail mounting with these models.



LR2 Series Line Reactor Mounting Adapters			
Part Number	Price	Description	Dimension Drawing
LR2-AP1		Adapter Plate Kit; includes 2 flange nuts (10-32); Dimensions 4.45" x 2.63"	16a
LR2-AP2		Adapter Plate Kit; includes 2 flange nuts (10-32); Dimensions 4.45" x 3.51"	16b
LR2-DR1		DIN Rail Mounting Clips and Hardware Kit; includes 2 screws (M5-0.8 x 8mm), 2 washers, 2 clips	16c
LR2-DR2		DIN Rail Mounting Plate and Hardware Kit; includes 4 bolts (0.25-20 x 0.50) and 4 flange nuts	17a

LR2 Line Reactor Mounting Adapter Selection Table				
ADC Line Reactor Part #	Adapter Plate Kits Part #		DIN Rail Mount Kits Part #	
	LR2-AP1	LR2-AP2	LR2-DR1	LR2-DR2
LR2-20P2-1PH	√	√	√	–
LR2-20P2	√	√	√	–
LR2-20P5-1PH	–	–	–	√
LR2-20P5	√	√	√	–
LR2-20P7	–	–	–	√
LR2-21P0	–	–	–	√
LR2-21P5	–	–	–	√
LR2-22P0	–	–	–	√
LR2-40P2	√	√	√	–
LR2-40P3	√	√	√	–
LR2-40P5	√	√	√	–
LR2-40P7	√	√	√	–
LR2-41P0	√	√	√	–
LR2-41P5	√	√	√	–
LR2-42P0	√	√	√	–
LR2-43P0	√	√	√	–
LR2-44P0	–	–	–	√
LR2-45P0	–	–	–	√
LR2-47P5	–	–	–	√
LR2-51P0	√	√	√	–
LR2-51P5	√	√	√	–
LR2-52P0	√	√	√	–
LR2-53P0	–	–	–	√
LR2-54P0	–	–	–	√
LR2-55P0	–	–	–	√
LR2-57P5	–	–	–	√

Drives Accessories – Line/Load Reactors

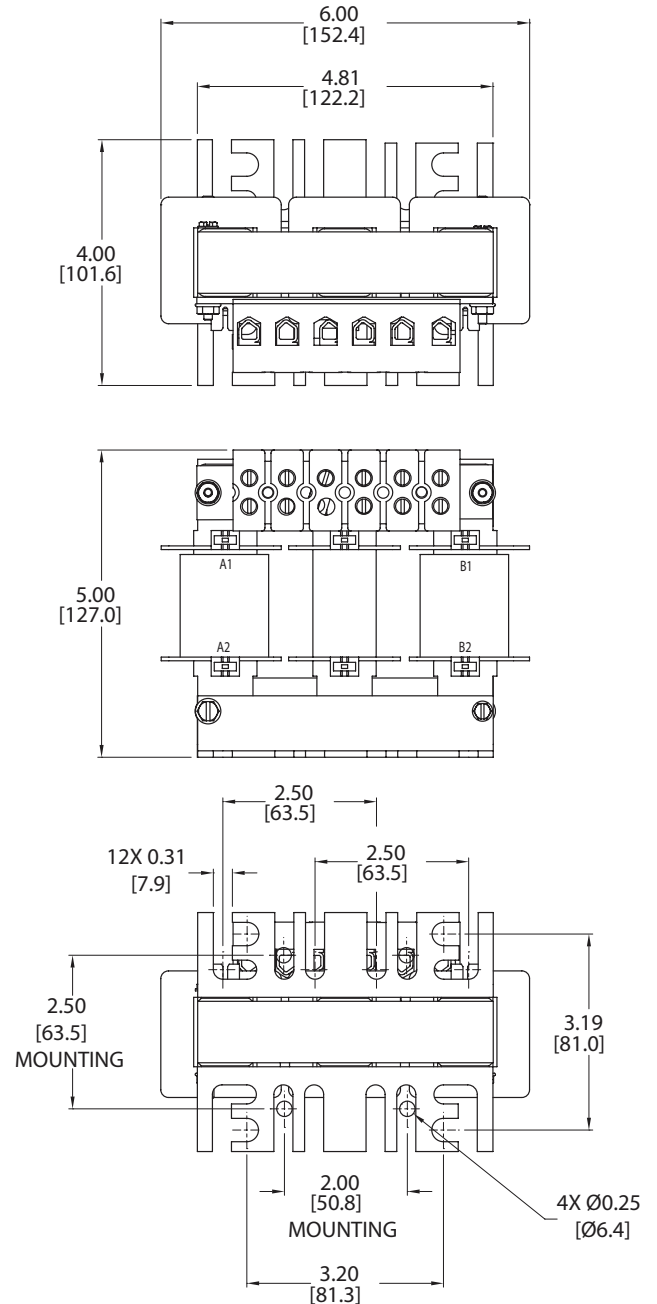
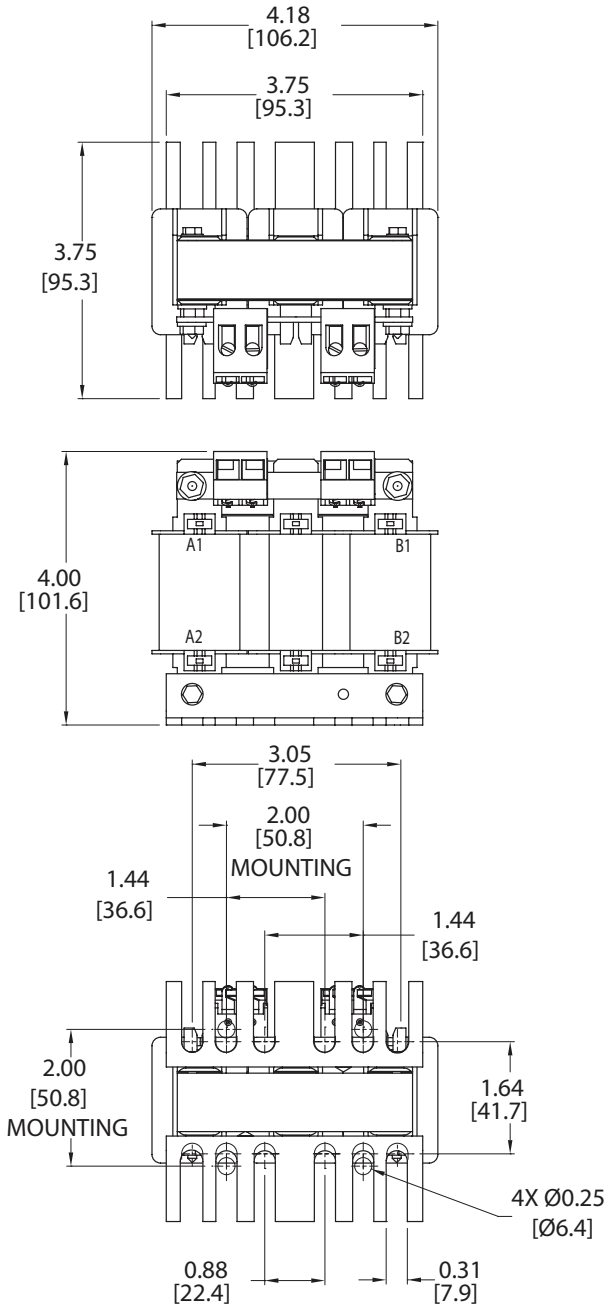
LR(2) Series Line/Load Reactors – Dimensions

(Units = in [mm])

See our website: www.AutomationDirect.com for complete engineering drawings.

1) LR(2) Line Reactors Dimension Drawing #1
LR-21P0-1PH

2) LR(2) Line Reactors Dimension Drawing #2
LR-22P0-1PH, LR-23P0-1PH



Drives Accessories – Line/Load Reactors

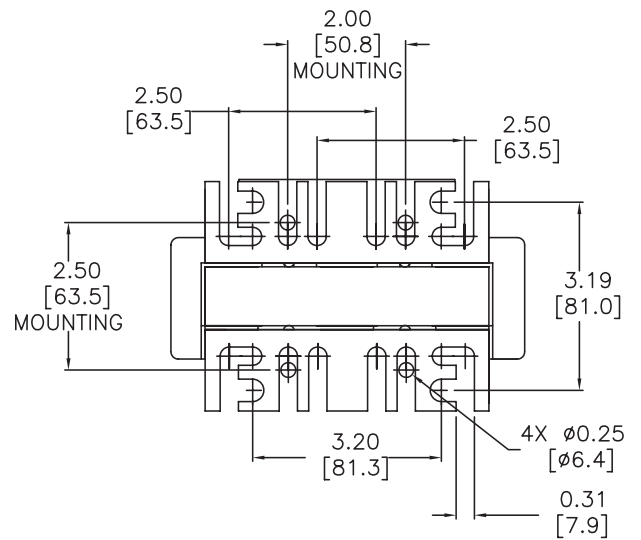
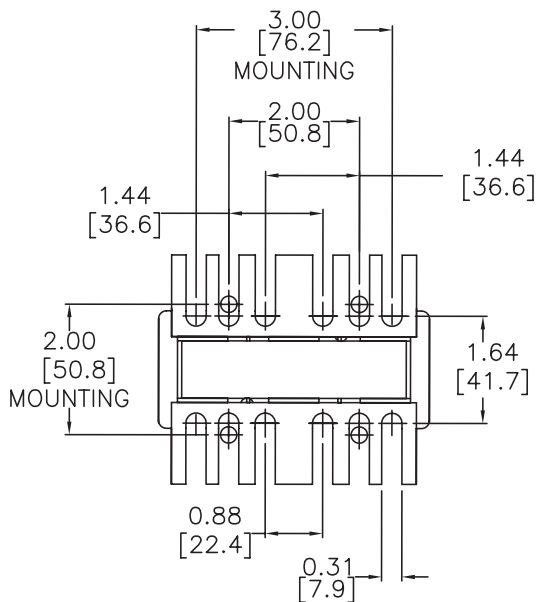
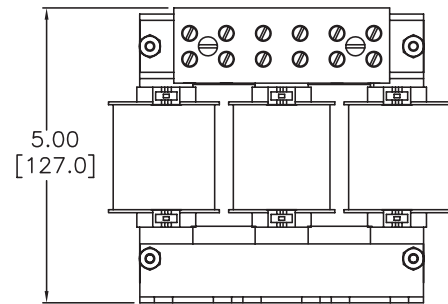
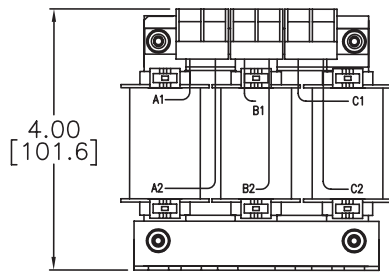
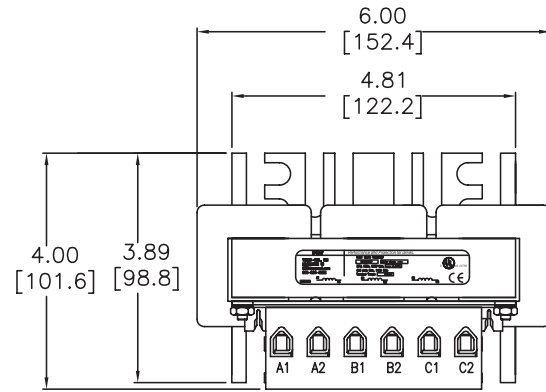
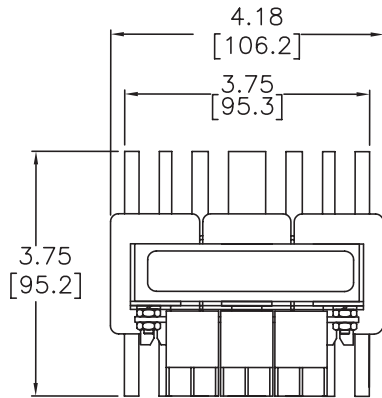
LR(2) Series Line/Load Reactors – Dimensions

(Units = in [mm])

See our website: www.AutomationDirect.com for complete engineering drawings.

3) LR(2) Line Reactors Dimension Drawing #3
LR-23P0, LR-4010, LR-5010

4) LR(2) Line Reactors Dimension Drawing #4
LR-25P0, LR-27P5, LR-4015, LR-4020



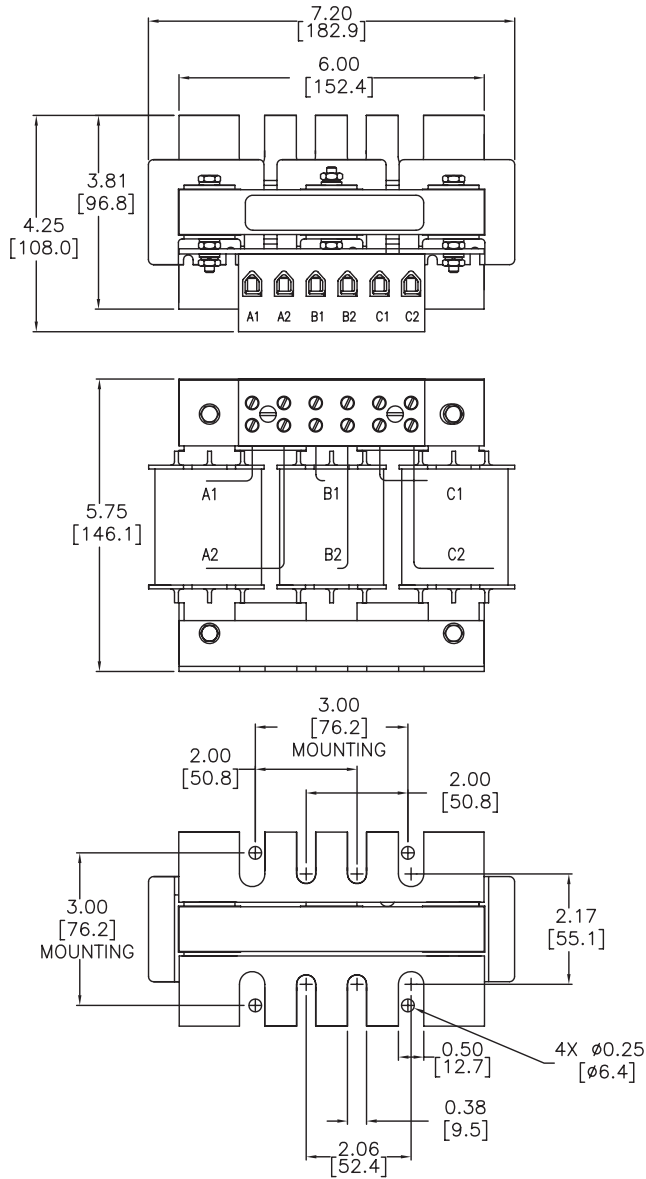
Drives Accessories – Line/Load Reactors

LR(2) Series Line/Load Reactors – Dimensions

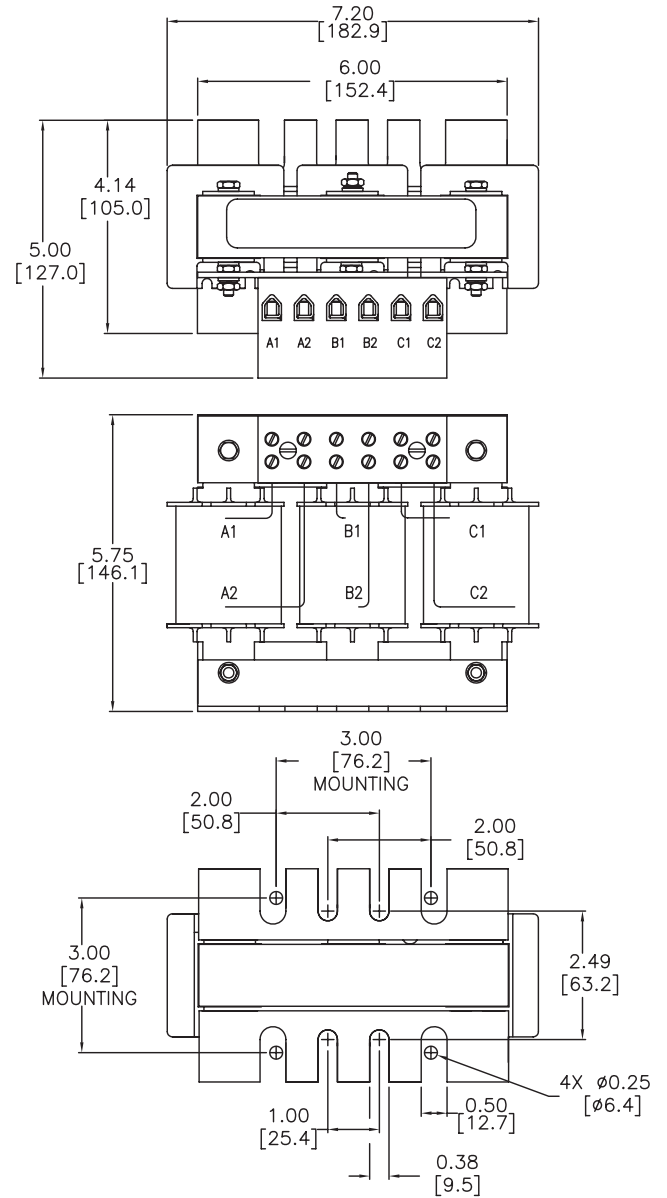
(Units = in [mm])

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5) LR(2) Line Reactors Dimension Drawing #5
LR-2010, LR-2015, LR-2020, LR-4025, LR-4030



6) LR(2) Line Reactors Dimension Drawing #6
LR-2025, LR-4040



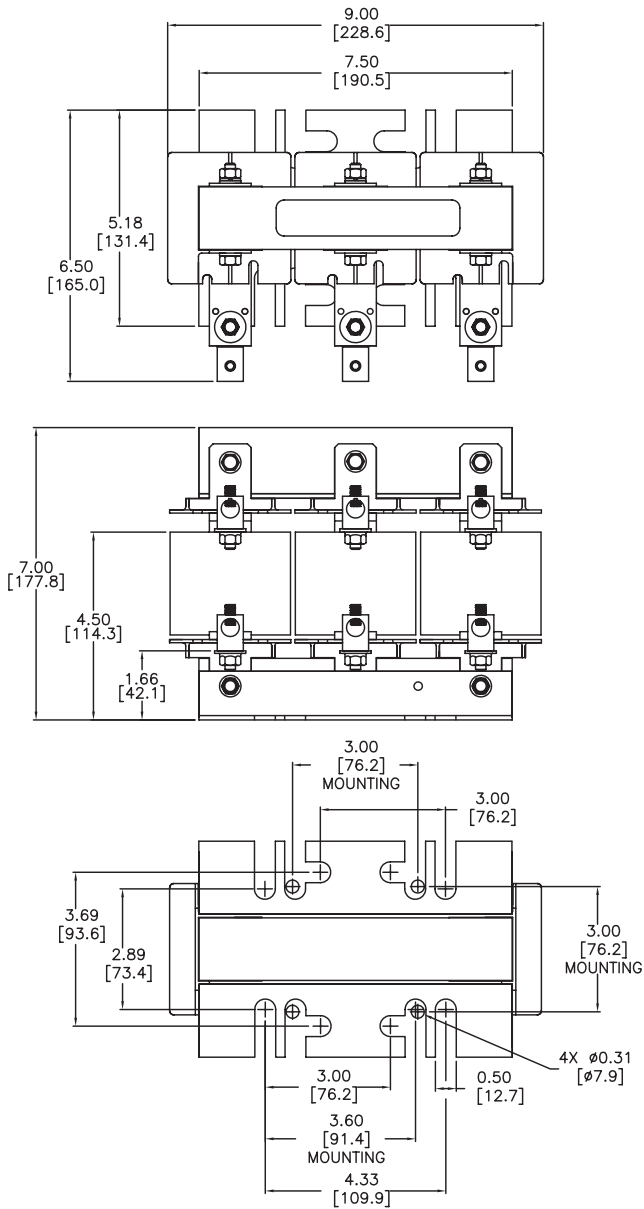
Drives Accessories – Line/Load Reactors

LR(2) Series Line/Load Reactors – Dimensions

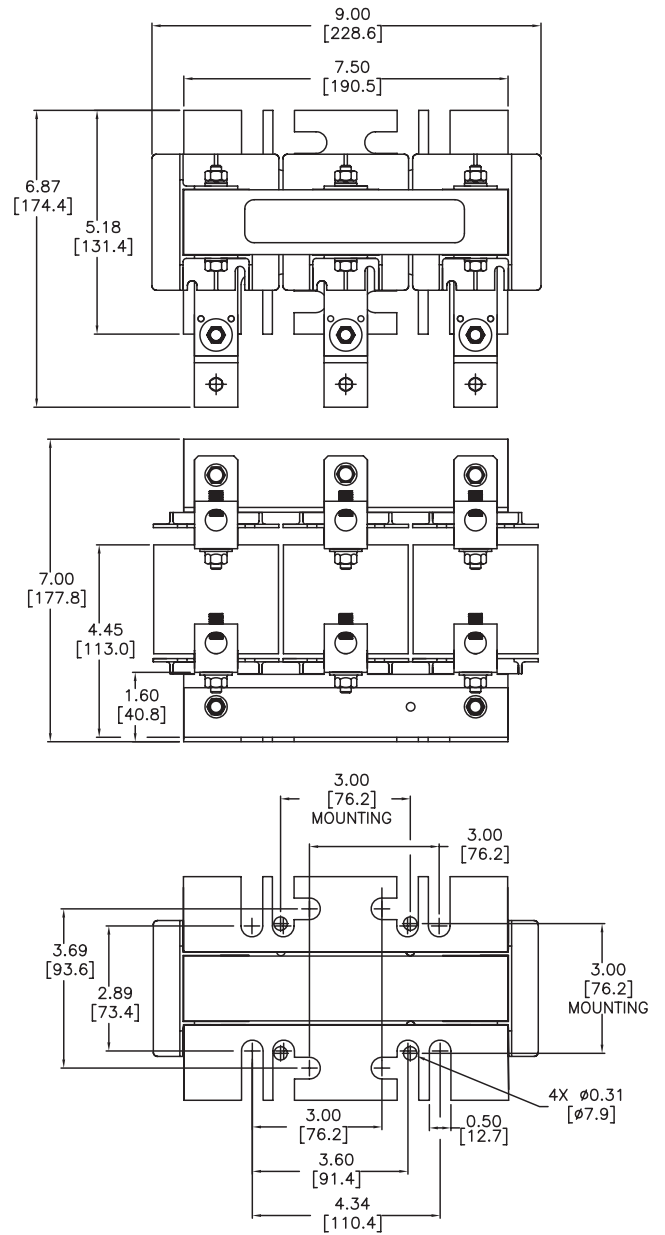
(Units = in [mm])

See our website: www.AutomationDirect.com for complete engineering drawings.

7) LR(2) Line Reactors Dimension Drawing #7
LR-2030, LR-2040, LR-4075



8) LR(2) Line Reactors Dimension Drawing #8
LR-2050



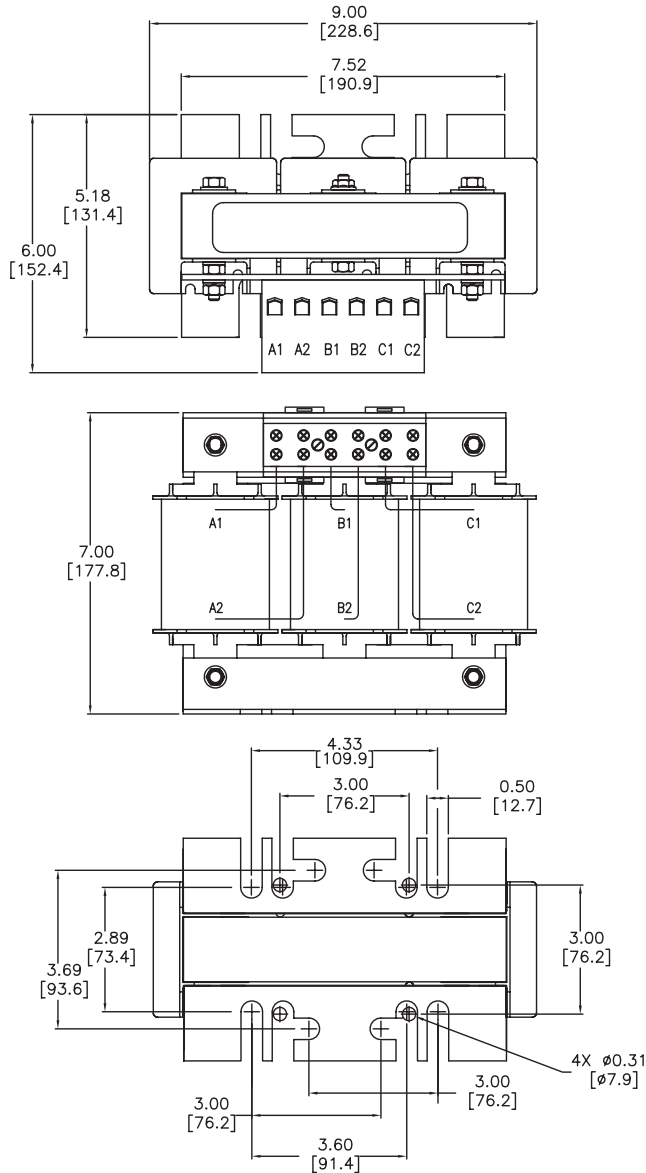
Drives Accessories – Line/Load Reactors

LR(2) Series Line/Load Reactors – Dimensions

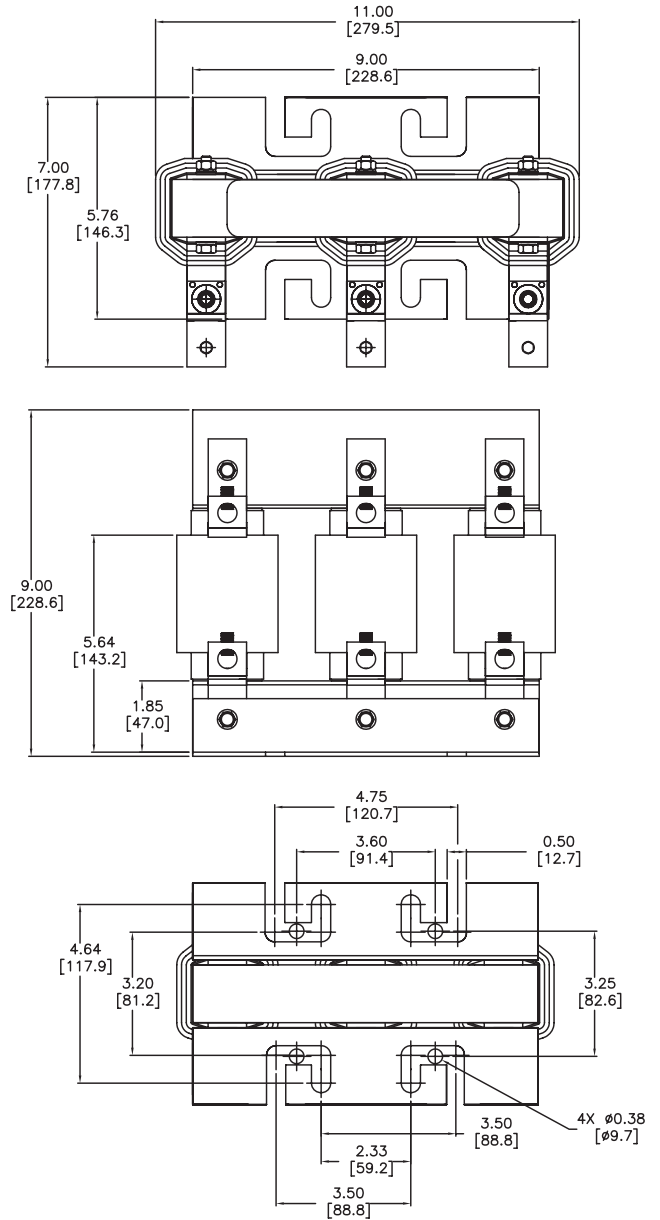
(Units = in [mm])

See our website: www.AutomationDirect.com for complete engineering drawings.

9) LR(2) Line Reactors Dimension Drawing #9
LR-4050, LR-4060



10) LR(2) Line Reactors Dimension Drawing #10
LR-4100, LR-4125, LR-4150



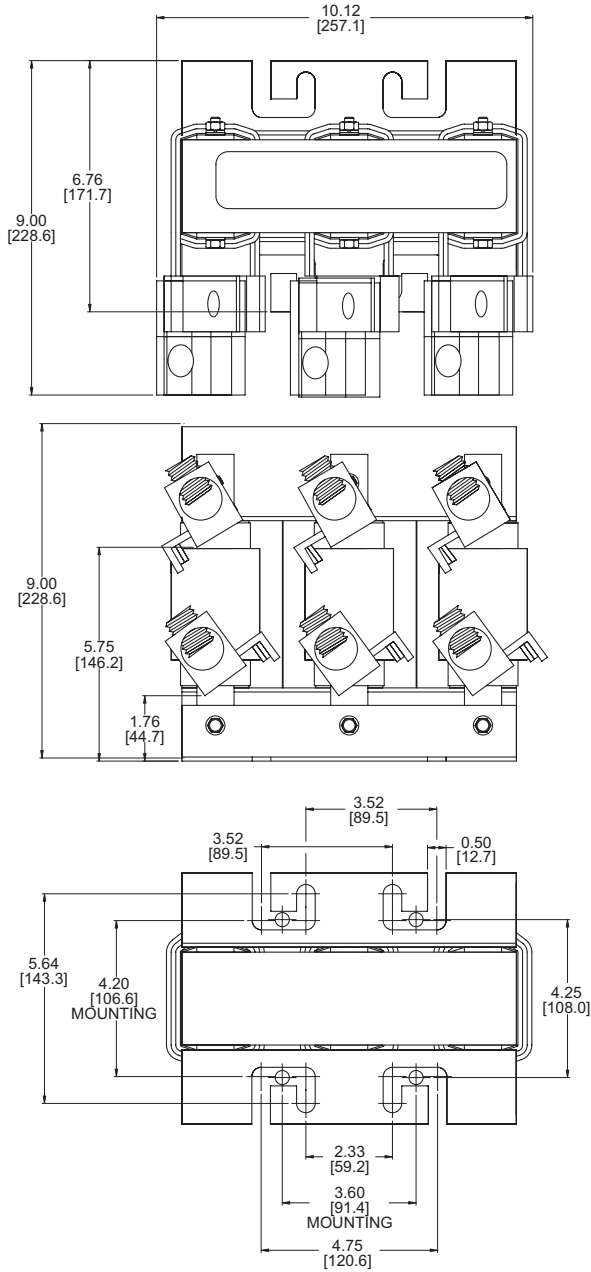
Drives Accessories – Line/Load Reactors

LR(2) Series Line/Load Reactors – Dimensions

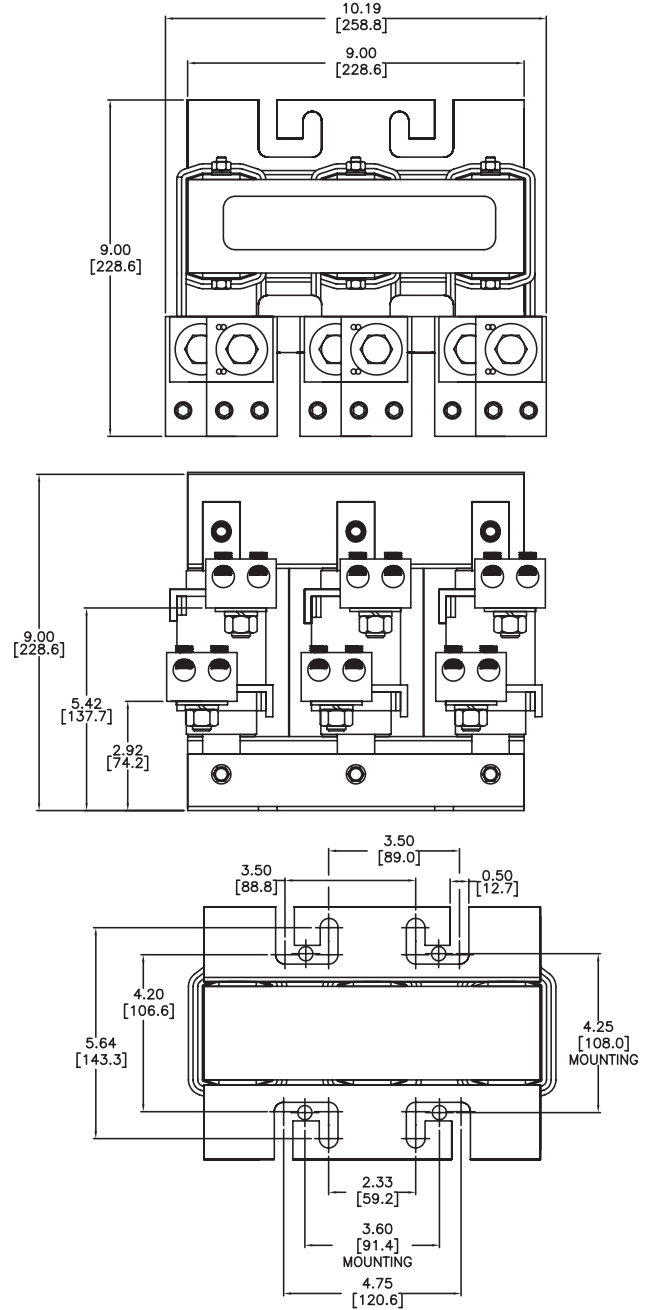
(Units = in [mm])

See our website: www.AutomationDirect.com for complete engineering drawings.

**11) LR(2) Line Reactors Dimension Drawing #11
LR-4200**



**12) LR(2) Line Reactors Dimension Drawing #12
LR-4250, LR-4300**



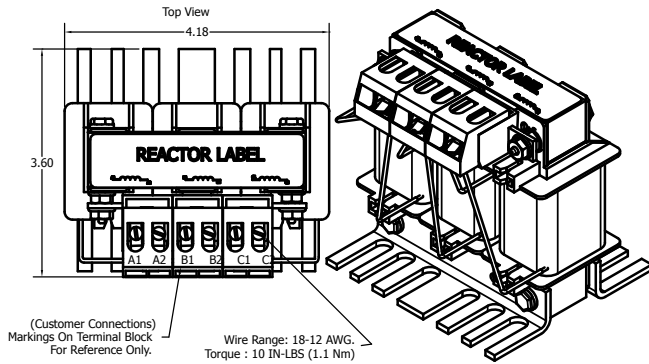
Drives Accessories – Line/Load Reactors

LR(2) Series Line/Load Reactors – Dimensions

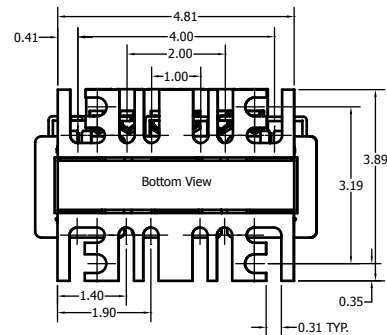
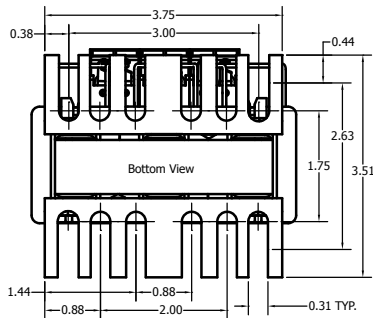
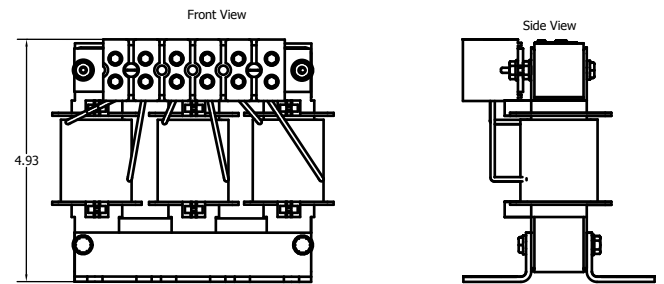
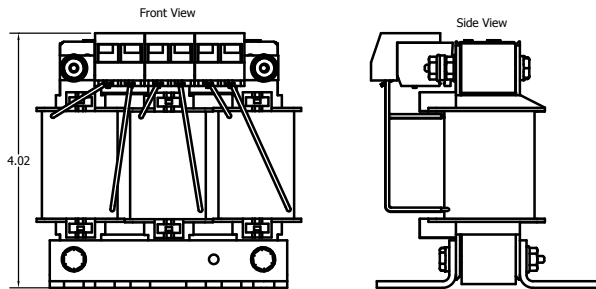
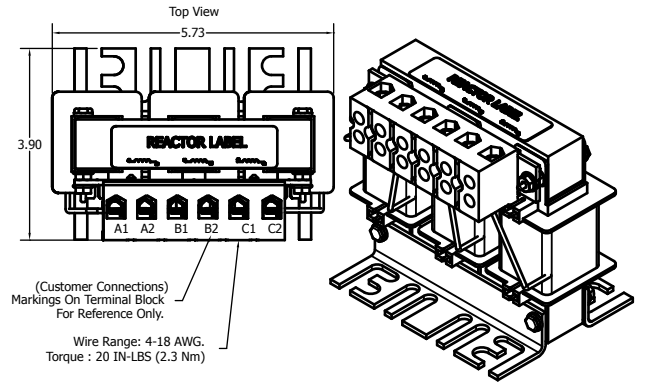
(Units = in [mm])

See our website: www.AutomationDirect.com for complete engineering drawings.

13) LR(2) Line Reactors Dimension Drawing #13 LR2-10P2-1PH, LR2-10P5-1PH, LR2-21P0-1PH, LR2-21P5-1PH



14) LR(2) Line Reactors Dimension Drawing #14 LR2-11P0-1PH, LR2-22P0-1PH



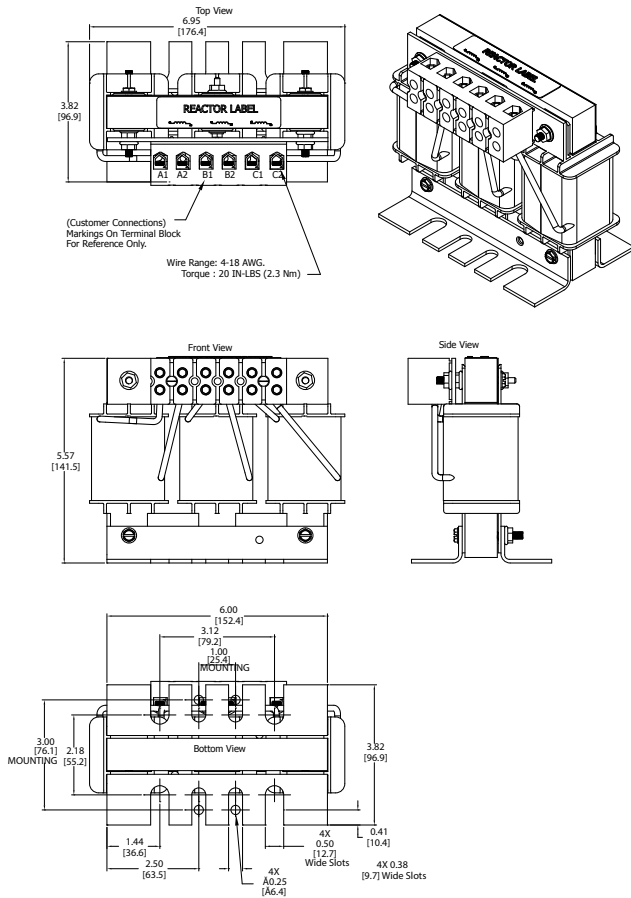
Drives Accessories – Line/Load Reactors

LR(2) Series Line/Load Reactors – Dimensions

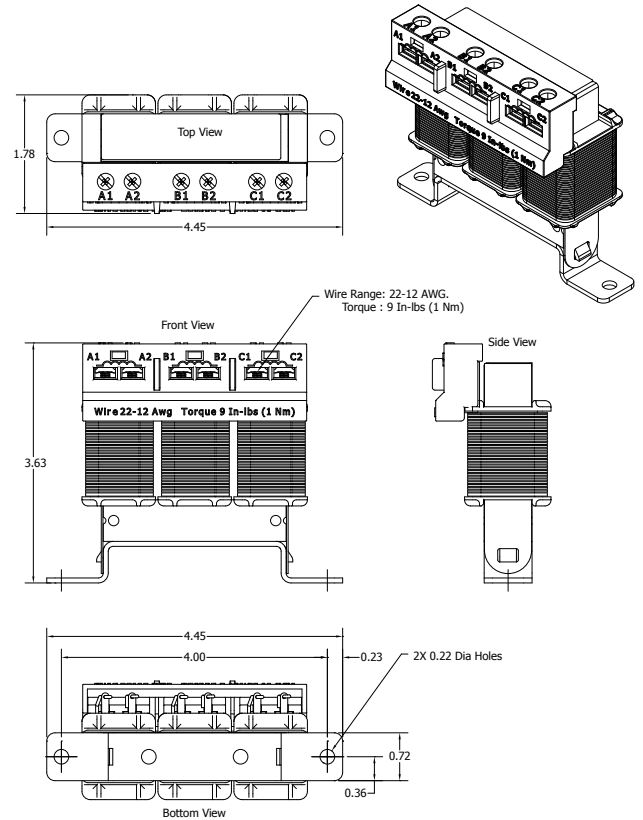
(Units = in [mm])

See our website: www.AutomationDirect.com for complete engineering drawings.

15) LR(2) Line Reactors Dimension Drawing #15 LR2-11P5-1PH



16) LR(2) Line Reactors Dimension Drawing #16 LR2-20P2-1PH, LR2-20P2, LR2-20P5, LR2-40P2, LR2-40P3, LR2-40P5, LR2-40P7, LR2-41P0, LR2-41P5, LR2-42P0, LR2-43P0, LR2-51P0, LR2-51P5, LR2-52P0



Drives Accessories – Line/Load Reactors

LR(2) Series Line/Load Reactors – Dimensions

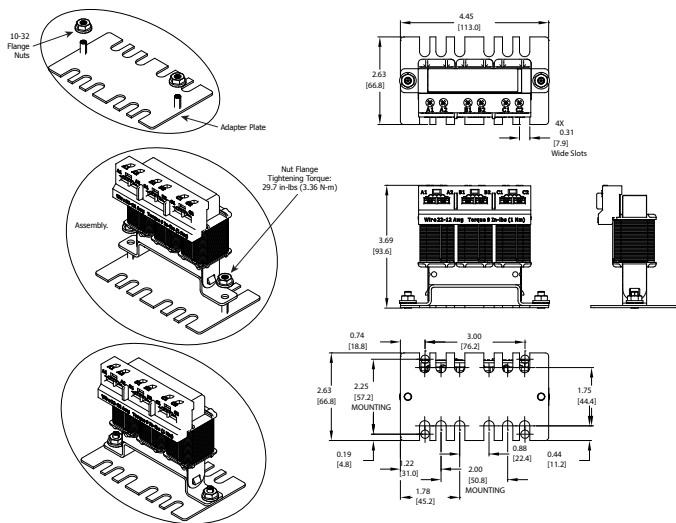
(Units = in [mm])

See our website: www.AutomationDirect.com for complete engineering drawings.

16a) LR(2) Line Reactors Dimension Drawing #16a

LR2-AP1 Adapter Plate for Universal Mounting for:

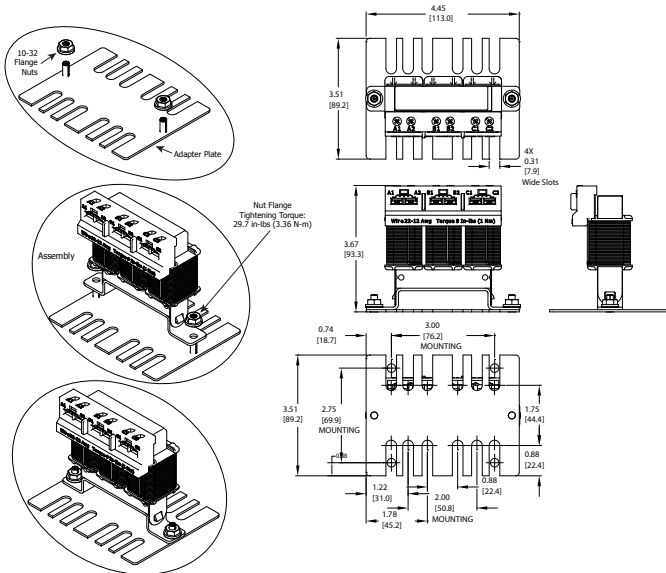
LR2-20P2-1PH, LR2-20P2, LR2-20P5, LR2-40P2, LR2-40P3, LR2-40P5, LR2-40P7, LR2-41P0, LR2-41P5, LR2-42P0, LR2-43P0, LR2-51P0, LR2-51P5, LR2-52P0



16b) LR(2) Line Reactors Dimension Drawing # 16b

LR2-AP2 Adapter Plate for Universal Mounting for:

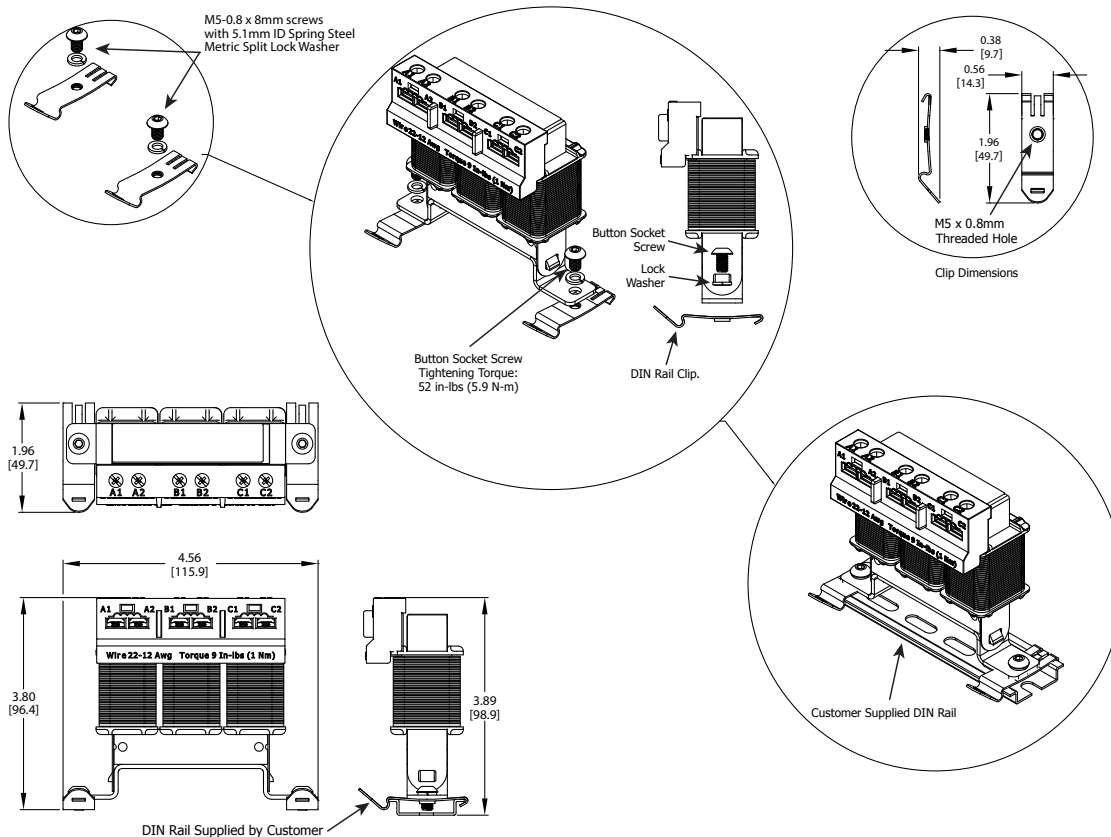
LR2-20P2-1PH, LR2-20P2, LR2-20P5, LR2-40P2, LR2-40P3, LR2-40P5, LR2-40P7, LR2-41P0, LR2-41P5, LR2-42P0, LR2-43P0, LR2-51P0, LR2-51P5, LR2-52P0



16c) LR(2) Line Reactors Dimension Drawing #16c

LR2-DR1 Hardware Kit for DIN Rail Mounting for:

LR2-20P2-1PH, LR2-20P2, LR2-20P5, LR2-40P2, LR2-40P3, LR2-40P5, LR2-40P7, LR2-41P0, LR2-41P5, LR2-42P0, LR2-43P0, LR2-51P0, LR2-51P5, LR2-52P0



Drives Accessories – Line/Load Reactors

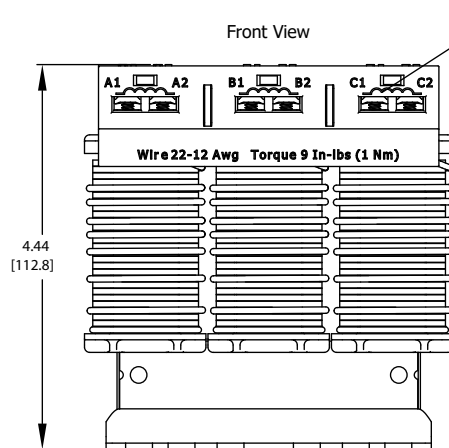
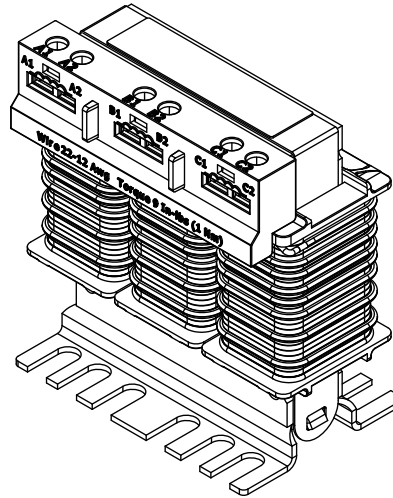
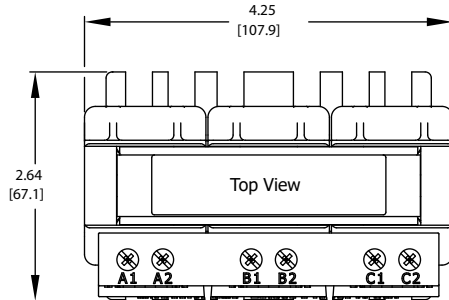
LR(2) Series Line/Load Reactors – Dimensions

(Units = in [mm])

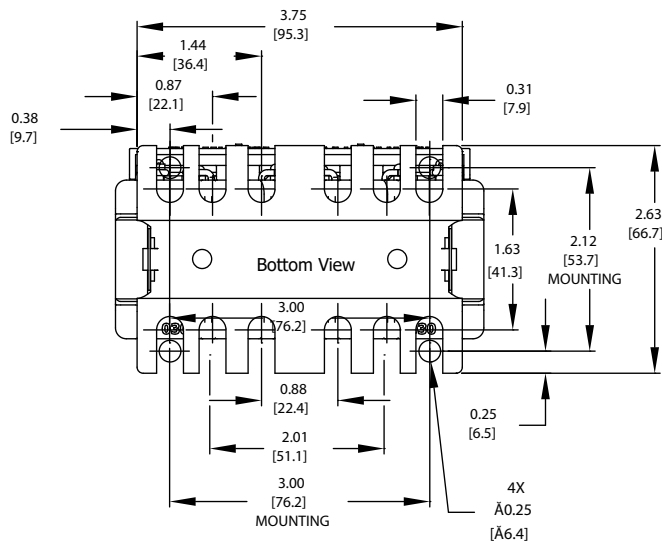
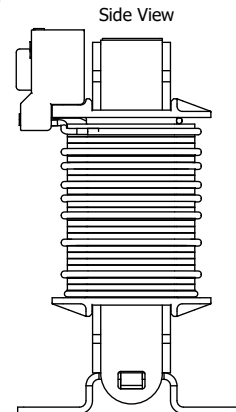
See our website: www.AutomationDirect.com for complete engineering drawings.

17) LR(2) Line Reactors Dimension Drawing #17

LR2-20P5-1PH, LR2-20P7, LR2-21P0, LR2-21P5, LR2-22P0, LR2-44P0, LR2-45P0, LR2-47P5, LR2-53P0, LR2-54P0, LR2-55P0, LR2-57P5



Wire Range: 22-12 AWG.
Torque : 9 In-lbs (1 Nm)



Drives Accessories – Line/Load Reactors

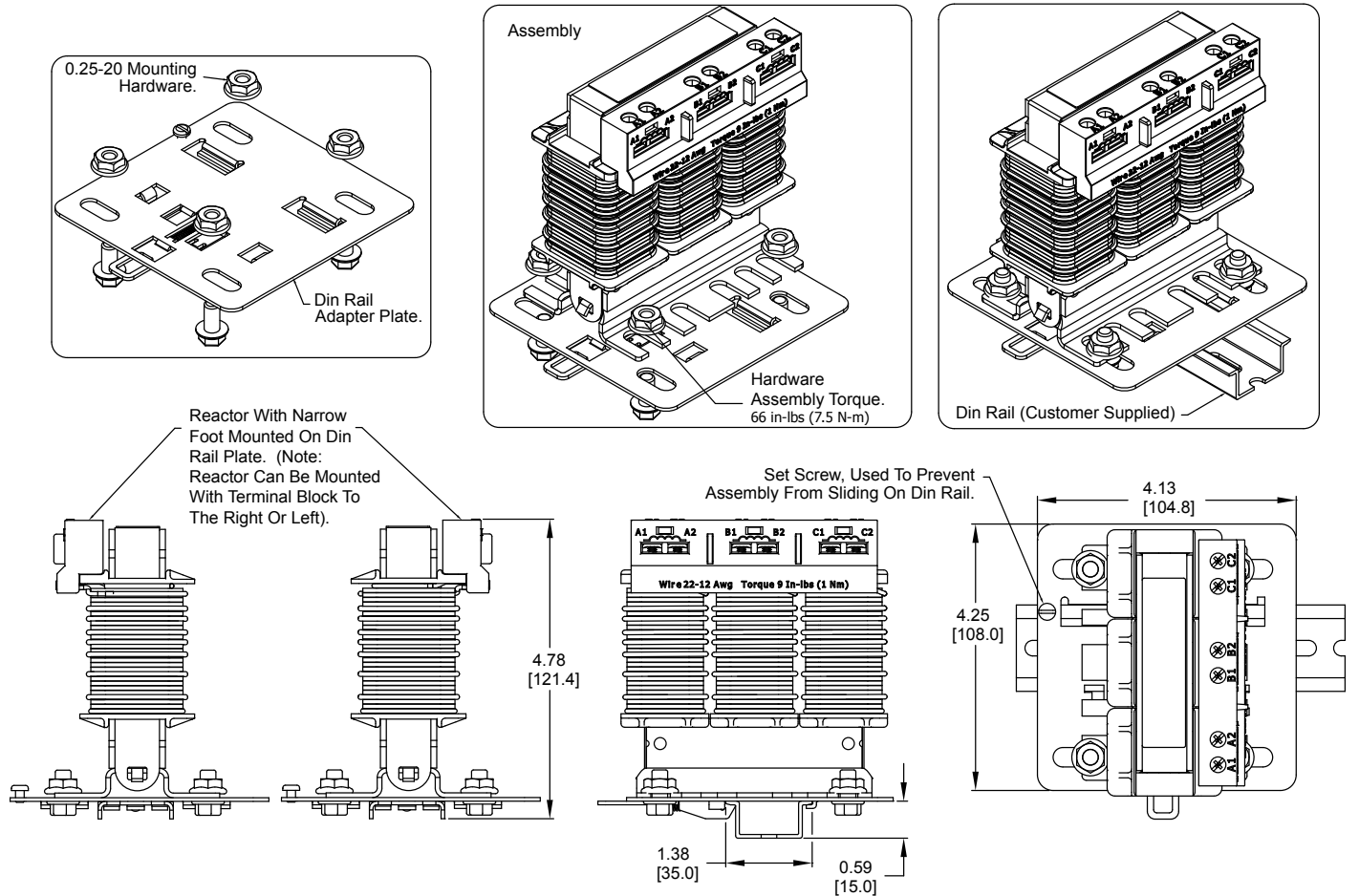
LR(2) Series Line/Load Reactors – Dimensions

(Units = in [mm])

See our website: www.AutomationDirect.com for complete engineering drawings.

17a) LR(2) Line Reactors Dimension Drawing #17a LR2-DR2 Hardware Kit for DIN Rail Mounting for:

LR2-20P5-1PH, LR2-20P7, LR2-21P0, LR2-21P5, LR2-22P0, LR2-44P0, LR2-45P0, LR2-47P5, LR2-53P0, LR2-54P0, LR2-55P0, LR2-57P5



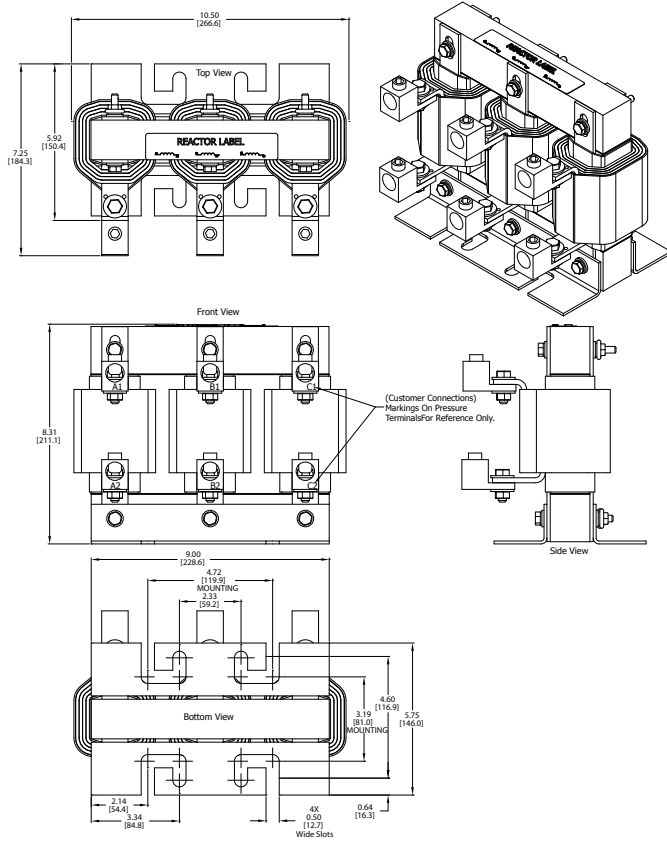
Drives Accessories – Line/Load Reactors

LR(2) Series Line/Load Reactors – Dimensions

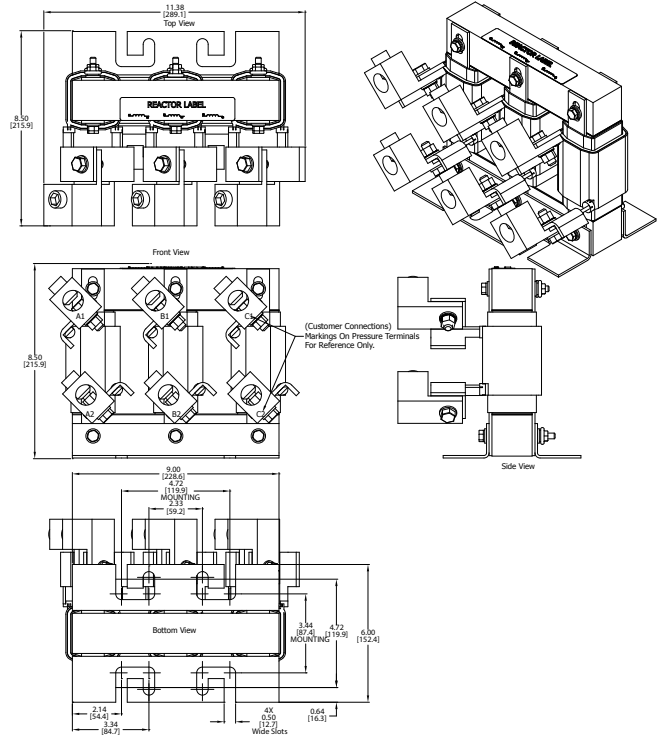
(Units = in [mm])

See our website: www.AutomationDirect.com for complete engineering drawings.

**18) LR(2) Line Reactors Dimension Drawing #18
LR-2060**



**19) LR(2) Line Reactors Dimension Drawing #19
LR2075, LR2100**



GS/DURAPULSE Drives Accessories – Line/Load Reactors

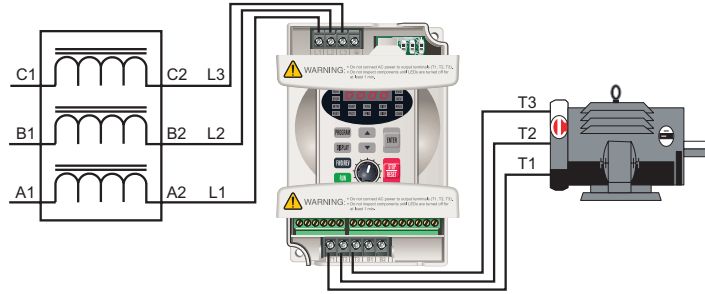
Line/Load Reactors for GS/DURAPULSE AC Drives – Generic One-Line



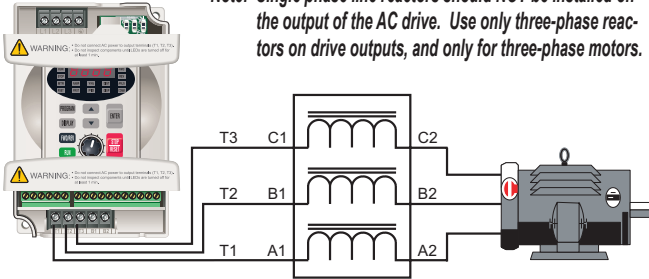
WARNING: CONSULT THE APPLICABLE GS DRIVE USER MANUAL BEFORE ACTUALLY WIRING THE DRIVE!

Input side of the drive

When installed on the input side of the AC drive, line reactors will reduce line notching, and limit current and voltage spikes and surges from the incoming line. The line reactor will also reduce harmonic distortion from the drive onto the line. Units are installed in front of the AC drive as shown.



Note: Single phase line reactors should NOT be installed on the output of the AC drive. Use only three-phase reactors on drive outputs, and only for three-phase motors.



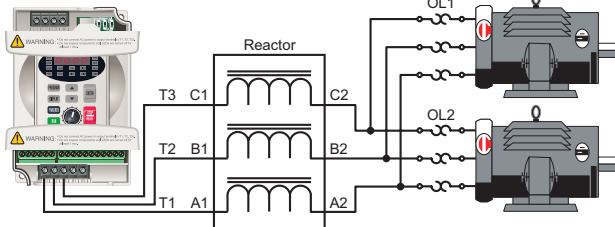
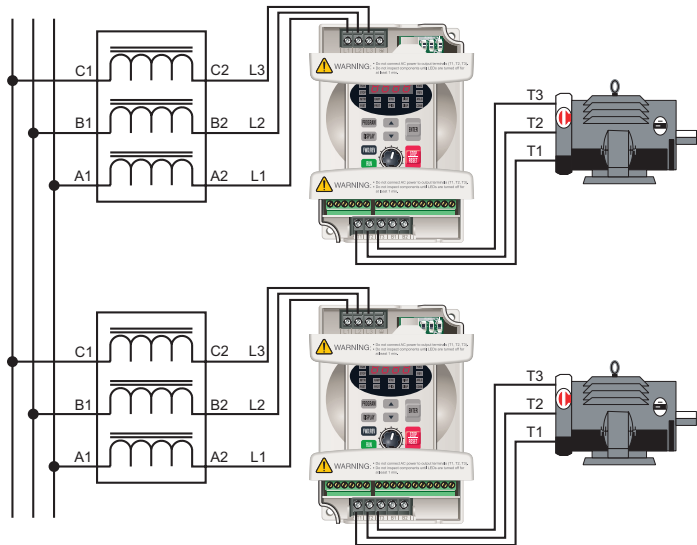
Output side of the drive

When installed on the output side of the drive, line reactors protect the drive from short circuits at the load. Voltage and current waveforms from the drive are enhanced, reducing motor overheating and noise emissions.

Note: If installing a line reactor on the output side of the drive, especially with motor lead lengths in excess of 75 feet, lower the drive PWM output carrier frequency to 4kHz in order to protect the line reactor from excess heating and possible damage.

Multiple drives

Individual line reactors are recommended when installing multiple drives on the same power line. Individual line reactors eliminate crosstalk between multiple drives and provide isolated protection for each drive for its own specific load.



Multiple motors

A single reactor can be used for multiple motors on the same drive, if the motors operate simultaneously. Size the reactor based upon the total horsepower of all the motors. Select a reactor with a current rating greater than the sum of the motor full-load currents. Overload relays are recommended for use in multi-motor applications.

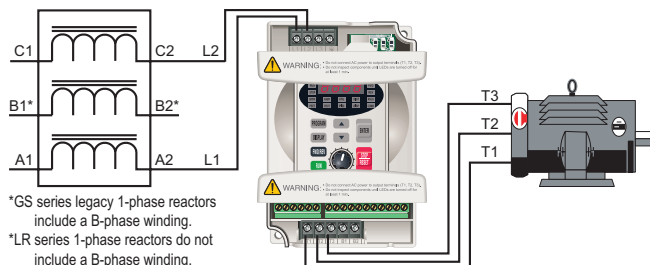
Note: A single reactor should be used with multiple motors only when the motors will always operate simultaneously.

Single phase applications

Some of the line reactors are listed for use with single-phase input power. Make sure that terminals B1 and B2, if present, are properly insulated before any connections are made.



WARNING: ENSURE THAT TERMINALS B1 AND B2 ARE PROPERLY INSULATED BEFORE MAKING ANY CONNECTIONS TO SINGLE-PHASE POWER.



*GS series legacy 1-phase reactors include a B-phase winding.
*LR series 1-phase reactors do not include a B-phase winding.

GS/DURAPULSE Drives Accessories – Line/Load Reactors

Line/Load Reactors for GS/DURAPULSE AC Drives – Additional Specifications

Line Reactors – LR Series – Additional Specifications							
Part Number	Price	Product Weight	Wire Range	Terminal Torque	Temperature Range		Environment
					Operating	Storage	
LR-20P5		4.0 lb [1.8 kg]	#12–#18 AWG	10 lb·in	-40 – 104 °F [-40 – 40 °C]	-40 – 149 °F [-40 – 65 °C]	NEMA: open IP00 no corrosive gases
LR-21P0-1PH		2.8 lb [1.3 kg]	#12–#18 AWG	10 lb·in			
LR-22P0-1PH		4.3 lb [2.0 kg]	#12–#18 AWG	20 lb·in			
LR-23P0-1PH		4.3 lb [2.0 kg]	#12–#18 AWG	20 lb·in			
LR-23P0		4.0 lb [1.8 kg]	#12–#18 AWG	10 lb·in			
LR-25P0		8.0 lb [3.6 kg]	#18–#4 AWG	20 lb·in			
LR-27P5		8.0 lb [3.6 kg]	#18–#4 AWG	20 lb·in			
LR-2010		12 lb [5.4 kg]	#18–#4 AWG	20 lb·in			
LR-2015		12 lb [5.4 kg]	#18–#4 AWG	20 lb·in			
LR-2020		12 lb [5.4 kg]	#18–#4 AWG	20 lb·in			
LR-2025		15 lb [6.8 kg]	#18–#4 AWG	#18–#16 AWG: 25 lb·in #14–#6 AWG: 30 lb·in #4 AWG: 35 lb·in			
LR-2030		33 lb [15 kg]	2/0 – #6AWG (AL or CU)	120			
LR-2040		33 lb [15 kg]	2/0 – #6AWG (AL or CU)	120			
LR-2050		36 lb [16 kg]	250kcmil – #6AWG (AL or CU)	275			
LR-4010		4.0 lb [1.8 kg]	#12–#18 AWG	10 lb·in			
LR-4015		8.0 lb [3.6 kg]	#18–#4 AWG	20 lb·in			
LR-4020		8.0 lb [3.6 kg]	#18–#4 AWG	20 lb·in			
LR-4025		10 lb [4.5 kg]	#18–#4 AWG	20 lb·in			
LR-4030		10 lb [4.5 kg]	#18–#4 AWG	20 lb·in			
LR-4040		15 lb [6.8 kg]	#18–#4 AWG	20 lb·in			
LR-4050		25 lb [11 kg]	#22–#4 AWG	#22–#16 AWG: 25 lb·in #14–#6 AWG: 30 lb·in #4 AWG: 35 lb·in			
LR-4060							
LR-4075		33 lb [15 kg]	2/0 – #6AWG (AL or CU)	120 lb·in			
LR-4100		46 lb [21 kg]	250kcmil – #6AWG (AL or CU)	275 lb·in			
LR-4125		46 lb [21 kg]	250kcmil – #6AWG (AL or CU)	275 lb·in			
LR-4150		46 lb [21 kg]	250kcmil – #6AWG (AL or CU)	275 lb·in			
LR-4200		74 lb [34 kg]	(1) 600kcmil – #4 AWG (2) 250kcmil – 1/0	500 lb·in			
LR-4250		74 lb [34 kg]	(2)* 350kcmil – #4 AWG (AL or CU)	275 lb·in			
LR-4300		74 lb [34 kg]	(2)* 350kcmil – #4 AWG (AL or CU)	275 lb·in			
LR-5010		4.0 lb [1.8 kg]	#12–#18 AWG	10 lb·in			

* LR-4250 & LR-4300 have dual-connector lugs, and will require multiple conductors per phase of the appropriate size to fit the lugs.