

Telemecanique Sensors, R.B.Denison® Loxswitch™ L Limit Switches Accessory Wiring Instructions

Retain for future use.

Model L Receptacle Wiring				Matching Plug/Cable Assemblies		
Desig.	Model	Receptacle End View	Terminal Connections	Plug Type	Cable Length ft (m)	Part No.
B	2-Circuit		Pin 1: Term. 2 (White) Pin 2: Term. 6 (Red) Pin 3: Gnd (Green) Pin 4: Term. 5 (Orange) Pin 5: Term. 1 (Black)	5-Pin Female	3 (0.9)	BH20-5-3
					6 (1.8)	BH20-5-6
					12 (3.7)	BH20-5-12
	3-Circuit		Pin 1: Black/White Pin 2: Black Pin 3: White Pin 4: Red Pin 5: Orange Pin 6: Blue Pin 7 (Gnd): Green	7-Pin Female	3 (0.9)	BH20-7-3
					6 (1.8)	BH20-7-6
					12 (3.7)	BH20-7-12
547	WDL		Pin 1: Term. 2 (White) Pin 2: Term. 6 (Red) Pin 3: Gnd (Green) Pin 4: Term. 5 (Orange) Pin 5: Term. 1 (Black)	5-Pin Female	3 (0.9)	BH20-5-3
					6 (1.8)	BH20-5-6
					12 (3.7)	BH20-5-12
	WDR		Pin 1: Term. 4 (White) Pin 2: Term. 6 (Red) Pin 3: Gnd (Green) Pin 4: Term. 5 (Orange) Pin 5: Term. 3 (Black)	5-Pin Female	3 (0.9)	BH20-5-3
					6 (1.8)	BH20-5-6
					12 (3.7)	BH20-5-12
	WN, WS		Pin 1: Term. 2 (White) Pin 2: Term. 4 (Red) Pin 3: Gnd (Green) Pin 4: Term. 3 (Orange) Pin 5: Term. 1 (Black)	5-Pin Female	3 (0.9)	BH20-5-3
					6 (1.8)	BH20-5-6
					12 (3.7)	BH20-5-12
559	143, 144		Pin 1: Term. 2 (Green) Pin 2: Term. 4 (Black) Pin 3: Term. 1 or 3 (White) Jumper: 1, 3	3-Pin Female	3 (0.9)	BH20-3-3
					6 (1.8)	BH20-3-6
					12 (3.7)	BH20-3-12
567	142, 145		142 Pin 1: Term. 2 (White) Pin 2: Term. 1 (Black) 145 Pin 1: Term. 4 (White) Pin 2: Term. 3 (Black)	2-Pin Female	3 (0.9)	BH20-2-3
					6 (1.8)	BH20-2-6
					12 (3.7)	BH20-2-12

⚠ WARNING

UNGROUNDING EQUIPMENT

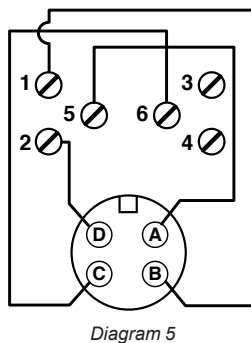
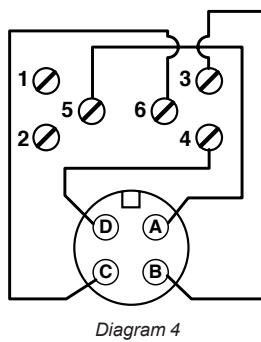
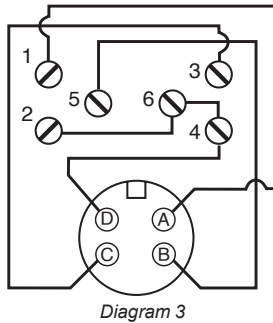
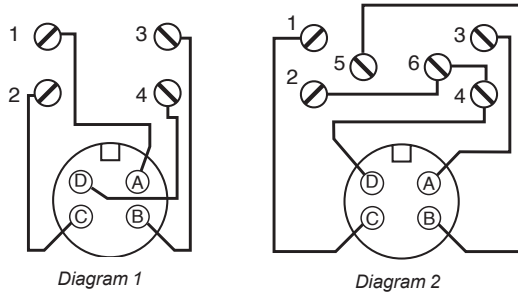
Ground wire not supplied. Provide ground conductor bonded to case.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

Individual Conductor Wiring			
Desig.	Model	Terminal Connections	Wiring
P	WDL	1 and 2: Red 5 and 6: Brown	6 ft #14 MTW 1.8 m
	WDR	3 and 4: Orange 5 and 6: Brown	6 ft #14 MTW 1.8 m
	WN, WS	1 and 2: Red 3 and 4: Orange	6 ft #14 MTW 1.8 m
	WT	1 and 2: Red 3 and 4: Orange 5 and 6: Brown	6 ft #14 MTW 1.8 m

Cable Wiring			
Desig.	Model	Terminal Connections	Wiring
520 521 551	WDL	1: Black 2: White 5: Orange 6: Red Gnd: Green	3 ft #16-5 STO OW-A 0.9 m #16-5 STO OW-A
	WDR	3: Black 4: White 5: Orange 6: Red Gnd: Green	3 ft #16-5 STO OW-A 0.9 m #16-5 STO OW-A
	WN, WS	1: Black (N.C.) 2: White (N.C.) 3: Orange (N.O.) 4: Red (N.O.) Gnd: Green	3 ft #16-5 STO OW-A 0.9 m #16-5 STO OW-A

Wiring Diagrams for Models PL and APL (Viewed from the Cover Side, Shaft Up)



LOXSWITCH™ MODELS PL AND APL

Operating Sequence and Cable Wiring for Models PL and APL

Model	Circuits		Diagram No.	Cable End (Part # 10-1000)
	A-C	B-D		
L100WS	Closes CCW	Closes CW	1	
L100WSO	Closes CCW	Closes CW	1	
L100WSX	Closes CCW	Closes CW	1	
L100WN	Closes CCW	Closes CW	1	
L100WNS	Closes CCW	Closes CW	1	
L100WNSL	Closes CCW	Closes CW	1	
L100WNSR	Closes CCW	Closes CW	1	
L100WNC	Opens CW	Opens CCW	1	
L100WNCS	Opens CW	Opens CCW	1	

Model	Circuits			Diagram No.
	C-D	B-D	A-D	
L100WTR	Closes CW	Closes CW	Closes CCW	3
L100WTRN...38, 39	Closes CW, C	Closes CW	Closes CCW	3
L100WTRN...40, 48	Closes CW, C	Closes CW	Closes CCW, C	3
L100WTRNS	Closes CW	Closes CW	Closes CCW	3
L100WTL	Closes CCW	Closes CCW	Closes CW	2
L100WTLN...39	Closes CCW, C	Closes CCW	Closes CW	2
L100WTLN...41	Closes CCW, C	Closes CCW	Closes CW, C	2
L100WTLNS	Closes CCW	Closes CCW	Closes CW	2

Model	Circuits		Diagram No.
	A-C	B-D	
L100WDR...56	Closes CW	Closes CW, C	4
L100WDR...59	Opens CW	Opens CW, C	4
L100WDL	Closes CCW, C	Closes CCW	5

NOTE: C = center; CCW = counter-clockwise; CW = clockwise.

Interruptores de límite R.B.Denison® Loxswitch™ L **Instrucciones para el alambrado de los accesorios**

Conservar para uso futuro.

Alambrado del receptáculo modelo L				Ensamblajes de adaptación enchufe / cable		
Diseño	Modelo	Vista del extremo del receptáculo	Conexiones de terminales	Tipo de enchufe	Longitud del cable pies (m)	Núm. de pieza
B	2 circuitos		Espiga 1: Term. 2 (blanco) Espiga 2: Term. 6 (rojo) Espiga 3: Tierra (verde) Espiga 4: Term. 5 (anaranjado) Espiga 5: Term. 1 (negro)	Hembra de 5 espigas	3 (0.9)	BH20-5-3
					6 (1.8)	BH20-5-6
					12 (3.7)	BH20-5-12
	3 circuitos		Espiga 1: Negro/blanco Espiga 2: Negro Espiga 3: Blanco Espiga 4: Rojo Espiga 5: Anaranjado Espiga 6: Azul Espiga 7 (tierra): Verde	Hembra de 7 espigas	3 (0.9)	BH20-7-3
					6 (1.8)	BH20-7-6
					12 (3.7)	BH20-7-12
547	WDL		Espiga 1: Term. 2 (blanco) Espiga 2: Term. 6 (rojo) Espiga 3: Tierra (verde) Espiga 4: Term. 5 (anaranjado) Espiga 5: Term. 1 (negro)	Hembra de 5 espigas	3 (0.9)	BH20-5-3
					6 (1.8)	BH20-5-6
					12 (3.7)	BH20-5-12
	WDR		Espiga 1: Term. 4 (blanco) Espiga 2: Term. 6 (rojo) Espiga 3: Tierra (verde) Espiga 4: Term. 5 (anaranjado) Espiga 5: Term. 3 (negro)	Hembra de 5 espigas	3 (0.9)	BH20-5-3
					6 (1.8)	BH20-5-6
					12 (3.7)	BH20-5-12
	WN, WS		Espiga 1: Term. 2 (blanco) Espiga 2: Term. 4 (rojo) Espiga 3: Tierra (verde) Espiga 4: Term. 3 (anaranjado) Espiga 5: Term. 1 (negro)	Hembra de 5 espigas	3 (0.9)	BH20-5-3
					6 (1.8)	BH20-5-6
					12 (3.7)	BH20-5-12
559	143, 144		Espiga 1: Term. 2 (verde) Espiga 2: Term. 4 (negro) Espiga 3: Term. 1 ó 3 (blanco) Puente 1, 3	Hembra de 3 espigas	3 (0.9)	BH20-3-3
					6 (1.8)	BH20-3-6
					12 (3.7)	BH20-3-12
567	142, 145		142 Espiga 1: Term. 2 (blanco) Espiga 2: Term. 1 (negro) 145 Espiga 1: Term. 4 (blanco) Espiga 2: Term. 3 (negro)	Hembra de 2 espigas	3 (0.9)	BH20-2-3
					6 (1.8)	BH20-2-6
					12 (3.7)	BH20-2-12

⚠ ADVERTENCIA

EQUIPO NO CONECTADO A TIERRA

Cable de conexión a tierra no incluido. Proporcione el conductor de tierra conectado a la caja.

El incumplimiento de estas instrucciones puede causar la muerte, lesiones serias o daño al equipo.

Diagramas de alambrado para los modelos PL y APL

(vista desde el lado de la cubierta, con el eje hacia arriba)

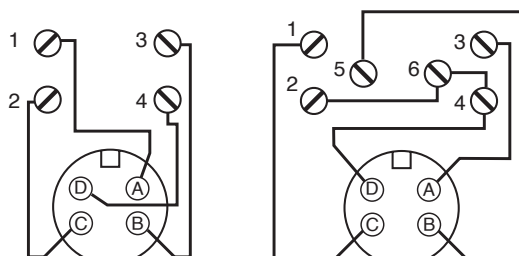


Diagrama 1

Diagrama 2

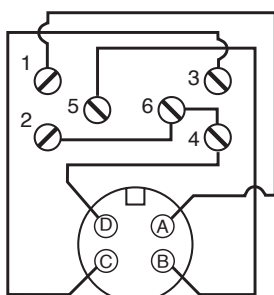


Diagrama 3

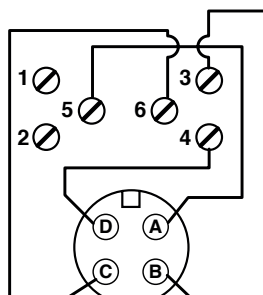


Diagrama 4

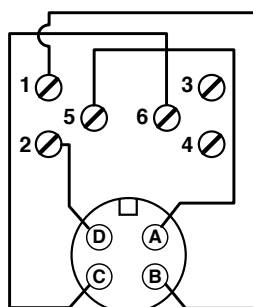


Diagrama 5

(1) C = Posición intermedia
CCW = en sentido contrario de las manecillas del reloj
CW = en sentido de las manecillas del reloj

Alambrado de conductores y conexión de cables

Diseño | Modelo | Conexiones de terminales | Alambrado

Alambrado individual de conductores

P	WDL	1 y 2: Rojo 5 y 6: Café	MTW, de 1,8 m calibre 14
	WDR	3 y 4: Anaranjado 5 y 6: Café	MTW, de 1,8 m calibre 14
	WN, WS	1 y 2: Rojo 3 y 4: Anaranjado	MTW, de 1,8 m calibre 14
	WT	1 y 2: Rojo 3 y 4: Anaranjado 5 y 6: Café	MTW, de 1,8 m calibre 14

Conexión de cables

520 521 551	WDL	1: Negro 2: Blanco 5: Anaranjado	6: Rojo Gnd (tierra): Verde	0,9 m calibre 16-5 STO OW-A
	WDR	3: Negro 4: Blanco 5: Anaranjado	6: Rojo Gnd (tierra): Verde	0,9 m calibre 16-5 STO OW-A
	WN, WS	1: Negro (N.C.) 2: Blanco (N.C.) 3: Anaranjado (N.A.)	4: Rojo (N.A.) Gnd (tierra): Verde	0,9 m calibre 16-5 STO OW-A

INTERRUPTORES LOXSWITCH™ MODELOS PL Y APL

Secuencia de funcionamiento y diagrama de alambrado para los modelos PL y APL

Modelo	Circuitos (1)		Diagrama no.	Extremo del cable (pieza no. 10-1000)
	A-C	B-D		
L100WS	Cierra CCW	Cierra CW	1	A = Verde B = Rojo C = Blanco D = Negro
L100WSO	Cierra CCW	Cierra CW	1	
L100WSX	Cierra CCW	Cierra CW	1	
L100WN	Cierra CCW	Cierra CW	1	
L100WNS	Cierra CCW	Cierra CW	1	
L100WNSL	Cierra CCW	Cierra CW	1	
L100WNSR	Cierra CCW	Cierra CW	1	
L100WNC	Abre CW	Abre CCW	1	
L100WNCS	Abre CW	Abre CCW	1	

Model	Circuitos (1)			Diagram No.
	C-D	B-D	A-D	
L100WTR	Cierra CW	Cierra CW	Cierra CCW	3
L100WTRN...38, 39	Cierra CW, C	Cierra CW	Cierra CCW	3
L100WTRN...40, 48	Cierra CW, C	Cierra CW	Cierra CCW, C	3
L100WTRNS	Cierra CW	Cierra CW	Cierra CCW	3
L100WTL	Cierra CCW	Cierra CCW	Cierra CW	2
L100WTLN...39	Cierra CCW, C	Cierra CCW	Cierra CW	2
L100WTLN...41	Cierra CCW, C	Cierra CCW	Cierra CW, C	2
L100WTLNS	Cierra CCW	Cierra CCW	Cierra CW	2

Model	Circuitos (1)		Diagram No.
	A-C	B-D	
L100WDR...56	Cierra CW	Cierra CW, C	4
L100WDR...59	Abre CW	Abre CW, C	4
L100WDL	Cierra CCW, C	Cierra CCW	5

Our products should be installed, operated and maintained only by qualified personnel. Neither TMSS France nor any of its subsidiaries or other affiliated companies shall be responsible or liable for any consequences arising out of the use of this material.

Manufacturer

TMSS France

Head Office

Tour Egho - 2 avenue Gambetta
92400 Courbevoie / France

Distributor

TMSS US LLC

1875 Founders Drive

Kettering - Dayton, OH45420 - USA

Telemecanique™ Sensors is a trademark of Schneider Electric Industries SAS used under license by TMSS France. Any other brands or trademarks referred to in this document are property of TMSS France or, as the case may be, of its subsidiaries or other affiliated companies. All other brands are trademarks of their respective owners.