

Liebert Relays and Time Delays

Liebert precision cooling equipment installed in a “mission critical” environment dictates reliability and performance in the sum of the parts installed. That’s why Liebert uses a range of Time Delay and Relay designs to achieve reliability and performance.

All Relays and Time Delays are certified to specific engineering standards to match the overall system requirements. **In some cases, these requirements may be BEYOND the normal parameters of substitute devices.** Substitution with similar components may result in improper system operation and is strongly discouraged.

Key Features

- Liebert offers direct replacement relays and time delays which are designed for the application.
- Liebert uses various relays and time delay devices in their products. Some provide single task functions while others perform multi task functions.
- Electronic Boards use electro-mechanical relays for heavy loads and SSR /SCR relays for lighter loads.
- SSR (Solid State Relay) and SCR (Silicon Controlled Rectifier) are solid state switching devices that can provide fast, proportional control.
- Electro-mechanical relays use an electrical coil to mechanically move electrical contacts open and closed.



E-2440 Relay and Base

E03-0170 Relay

517017P1 Solid
State Relay

E-3530 Time Delay

Popular Liebert Relays and Time Delays

Liebert Part Number	Function	Electronic Input Voltage	Relay Coil Voltage	Delay Time	Switch Action
E-3530	Time Delay	24 VAC		0-90 sec	DPDT
E-2440	Relay	24 VAC			3PDT
E12-2990	Phase Loss				DPDT
E03-0170	Relay	24 VAC			SPDT
E-0130	Relay		24 VAC		DPDT
C05-0600	Relay (potential)				
517017P1	Relay (SCR)	24 VAC			
1C19470P1	Relay (overload)				SPST
1C14432P1	Time Delay	24 VAC		180 sec	DPDT
154240P1	Relay		24 VAC		
148089P1	Time Delay	24 VAC		3-10 Min	
140248P1	Time Delay	24 VAC		3 Min	
139101P1	Time Delay	24 VAC		30 sec	DPDT
138491P1	Time Delay	24 VAC		0-16 Min	
127661P1	Relay		24 VAC		SPDT
127195P2	Relay (potential)				

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