

SLA Series

STYLE "A"

The ATC Diversified SLA Series is designed to protect 3-phase equipment against **PHASE LOSS, UNDER VOLTAGE**, and **PHASE REVERSAL** conditions.

With normal operating voltages applied in the proper ABC sequence, the internal relay will energize (PICK-UP). When incorrect phase sequence or phase loss occurs or the three-phase voltages fall below the drop out voltages, the relay will de-energize (DROP-OUT). On models featuring indicators, the LED glows when all line conditions are normal.

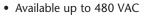
Both Delta and Wye systems may be monitored. In Wye systems, connections to neutral are NOT required.

For UL Listed units, with field wiring terminals, copper wire with 60°/75°C rating must be used for control circuitry connections.

NOTE: When a phase is lost while the motor is running, a condition known as regeneration occurs where a voltage is induced into the open phase nearly equal in magnitude to the normal phase-to-phase voltage. However, with the exception of lightly loaded motors, enough change is detected by the SLA to provide the required protection when properly adjusted.

SPECIFICATIONS

1 Ø Low	83% of Nominal				
3 Ø Low	90% of Nominal				
Models Up to 300 VAC					
Operate	250 mSEC				
Release	0.5 SEC				
Models Over 300 VAC					
Operate 1.0 SEC					
Release	2.0 SEC				
Operate	60 mSEC				
Release	0.5 SEC				
Style "A"	3 VA (approx.)				
Style "E"	Models up to 300 VAC: 3 VA (max.) Models over 300 VAC: 7 VA (max.) Models over 500 VAC: 3 VA (max.)				
Style "N"	3 VA (max.)				
See Ordering Information					
Automatic (Manual Optional)					
Glows when all conditions are Normal (On Applicable Models)					
SPDT (style "A" and "N") DPDT (style "E")					
ABC (Will Not Operate CBA)					
Operate	32° to +131°F (0° to +55°C)				
Storage	-49° to 185°F (-45° to +85°C)				
611,050					
Style "A"	NET: 2.24 oz Shipping: 2.56 oz				
	NICT. 4.0 an Ching in a. 5.76 an				
Style "E"	NET: 4.8 oz Shipping: 5.76 oz				
	3 Ø Low odels Up to Operate Release odels Over Operate Release Operate Release Style "A" Style "A" Style "N" de Ordering tomatic (I ows when on Applicat PDT (style PDT (style PDT (style Storage Storage 611,050 Style "A"				



STYLE

- Delta or Wye Systems
- Fixed, Lock Shaft, or Screwdriver Adjustment
- Several Enclosure Styles

TYPICAL APPLICATIONS:

- Air Handlers
- Computer Power Protection
- Conveyor Drive
- Water Waste & Sewage Machinery
- Oil & Gas Pumps
- Sawmill & Woodpump Machinery
- Power Substation

Phase Monitors

PROTECTS 3-PHASE EQUIPMENT AGAINST:

• Phase Loss

STYLE "E

- Under Voltage
- Phase Reversal
- Automatic Transfer Switching for Monitoring Emergency Power Supplies
- Irrigation Pumps
- Lift Station Pumps
- Robotics Equipment
- Elevator Drives
- Commercial/Industrial Air Conditioning & Refrigeration Compressors

MODEL NUMBER >>>>>> SLA Α **Operating Voltage** See Ordering Information Type of Operation F Fixed Lock Shaft Adjusted L Screwdriver Adjusted ς **Enclosure Style** Octal Plug-In, Dust Cover Δ Blade Plug-In, Dust Cover В Surface Mounted, #8 Screw Terminals Е Surface Mounted, 1/4" Quick Disconnect Terminals N Options Add R Suffix when manual reset is required, R (available only in style "E" enclosure)

Plug-In models are UL listed only when used with RB-08 relay socket.

Universal Electronic Supply

800-327-3529

www.universalelectronic.com

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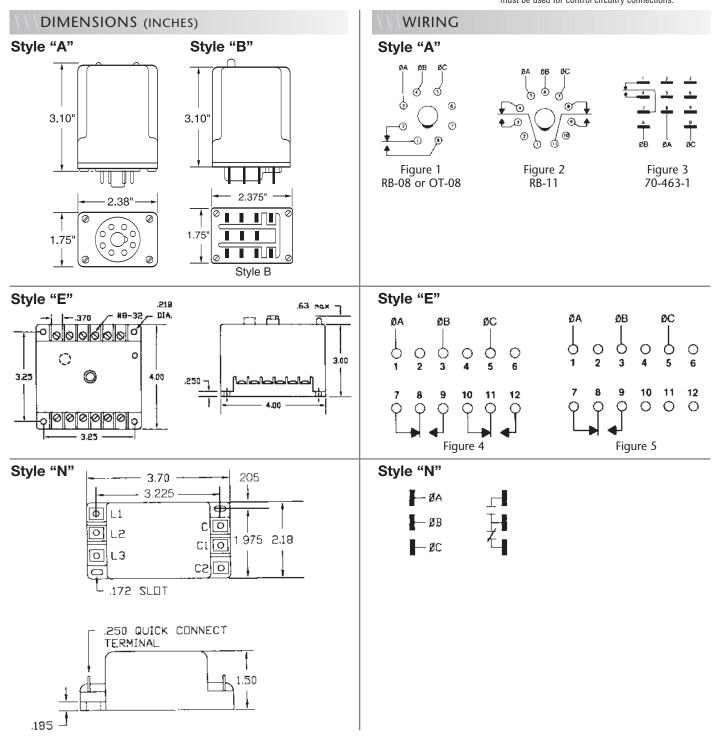




Style "N"



Style "E" For UL Listed units, copper wire with 60°/75°C rating must be used for control circuitry connections.



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ORDERING INFORMATION

STYLE A PLUG-IN							
MODEL	OPERATING	TYPE OF	DROP-OUT VOLTAGE		AGENCY		
NUMBER	VOLTAGE	ADJUSTMENT	1 Ø LOW	3 Ø LOW	APPROVAL	OUTPUT RATINGS	
SLA-120-ALA		Lock Shaft			_	DPDT, 345 VA Inductive; 10 Amps Resistive @ 240 VAC. Figure 2	
SLA-120-ASA	95-130 Adj	5-130 Adj Screwdriver		85-117	·74 5	SPDT, 345 VA Inductive; 10 Amps Resistive @ 240 VAC, Figure 1	
SLA-120-ASB		Sciewaniver			c 91 us	SPDT, 345 VA Inductive; 10 Amps Resistive @ 240 VAC, Figure 3	
SLA-230-ALA		Lock Shaft			c 91) us	DPDT, 345 VA Inductive; 10 Amps Resistive @ 240 VAC, Figure 2	
SLA-230-ASA	190-270 Adj.		158-224	171-243	• FL •• 🚯	SPDT, 345 VA Inductive; 10 Amps Resistive @ 240 VAC, Figure 1	
SLA-230-ASB		Screwdriver			c 91 us	SPDT, 345 VA Inductive; 10 Amps Resistive @ 240 VAC, Figure 3	
SLA-380-ASA	350-440 Adj.		290-365	315-396		SPDT, 360 VA Inductive; 10 Amps	
SLA-440-ASA	430-480 Adj.		357-398	387-432	_	Resistive @ 240 VAC, Figure 1	
SUA-120-ALA	95-130 Adj.		79-108	85-117	. 91 👀		
SUA-120-ALAU*		Lock Shaft				SPDT, 345 VA Inductive; 10 Amps	
SUA-230-ALA	190-270 Adj.	LOCK SHARE	158-224	171-243	. 91 🚯	Resistive @ 240 VAC, Figure 1	
SUA-230-ALAU*	120-270 Auj.	-210 Auj.		1/1-2-75			
SUA-380-ASA	350-440 Adj.	Serendriner	290-365	315-396	- 6	SPDT, 360 VA Inductive; 10 Amps	
SUA-440-ASA	430-480 Adj.	Screwdriver	357-398	387-432	• PL •• 🚯	Resistive @ 240 VAC, Figure 1	
*UL Listed only when	used with RB-08 re	lay socket; 5 Amps	Resistive @ 240 V	AC. All voltages refe	renced on this page are phas	je-to-phase.	

*UL Listed only when used with RB-08 relay socket; 5 Amps Resistive @ 240 VAC. All voltages referenced on this page are phase-to-phase. Models also available with fixed operating voltages. Consult factory.

STYLE E SURFACE MOUNTED ENCLOSURE						
MODEL	OPERATING	DROP-OUT VOLTAGE			AGENCY	
NUMBER	VOLTAGE	1 Ø LOW	3 Ø LOW	RESET	APPROVAL	OUTPUT RATINGS
SLA-120-ALE	- 95-130 Adi.	79-108	85-117	Automatic		DPDT, 211 VA Inductive; 10 Amps Resistive @ 120 VAC. Figure 4
SLA-120-ALER	- 93-130 Auj.	79-108	03-117	Manual		DPDT, 211 VA Inductive; 10 Amps Resistive @ 120 VAC. Figure 4
SLA-230-ALE	- 190-270 Adi.	158-224	171-243	Automatic		DPDT, 345 VA Inductive; 5 Amps Resistive @ 240 VAC. Figure 4
SLA-230-ALER	- 190-270 Auj.	0-270 Auj. 138-224	171-245	Manual		DPDT, 345 VA Inductive; 5 Amps Resistive @ 240 VAC. Figure 4
SLA-380-ALE	- 350-440 Adi.	290-365	315-396	Automatic		DPDT, 360 VA Inductive; 3 Amps Resistive @ 600 VAC. Figure 4
SLA-380-ALER	- 550-440 Auj.	290-363	515-570	Manual		SPDT, 360 VA Inductive; 3 Amps Resistive @ 600 VAC. Figure 5
SLA-440-ALE	-430-480 Adj.	30-480 Adj. 357-398	387-432 -	Automatic		DPDT, 360 VA Inductive; 3 Amps Resistive @ 600 VAC. Figure 4
SLA-440-ALER				Manual		SPDT, 360 VA Inductive; 3 Amps Resistive @ 600 VAC. Figure 5
SLA-575-ALE	525-625 Adj.	436-519	473-563	Automatic		DPDT, 360 VA Inductive; 3 Amps Resistive @ 600 VAC. Figure 4
All voltage referenced are phase-to-phase.—Models also available with fixed operating voltages. Consult factory.						

STYLE N EPOXY ENCAPSULATED

MODEL	OPERATING		DROP-OUT VOLTAGE		AGENCY
NUMBER	VOLTAGE	TYPE OF OPERATION	1 Ø LOW	3 Ø LOW	APPROVAL
SLA-120-AFN	120	Fixed	100	108	
SLA-208-AFN	208	Fixed	173	187	
SLA-220-AFN	220	Fixed	183	198	c FL us
SLA-240-AFN	240	Fixed	199	216	
All voltage referenced are ph	iase-to-phase.				

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