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.

SPECIFICA	ATIONS				
DROP-OUT VOLTAGE	1 Ø Low	83% of Nominal			
VOLTAGE	3 Ø Low	90% of Nominal			
	Models Up to 300 VAC				
	Operate	250 mSEC			
RESPONSE TIMES	Release	0.5 SEC			
STYLE "A" & "E"	Models Over 300 VAC				
	Operate	1.0 SEC			
	Release	2.0 SEC			
RESPONSE TIMES	Operate	60 mSEC			
STYLE "N"	Release	0.5 SEC			
	Style "A"	3 VA (approx.)			
POWER REQUIRED	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.)			
OPERATING VOLTAGE	See Orderin	g Information			
RESET	Automatic (l	Manual Optional)			
INDICATOR LED	Glows when all conditions are Normal (On Applicable Models)				
OUTPUT RATING	SPDT (style "A" and "N") DPDT (style "E")				
PHASE SEQUENCE	ABC (Will Not Operate CBA)				
TEN ADED ATLIDE	Operate	32° to +131°F (0° to +55°C)			
TEMPERATURE RATING	Storage	-49° to 185°F (-45° to +85°C)			
U.S. PATENT NUMBER	3,611,050	0			
	Style "A"	NET: 2.24 oz Shipping: 2.56 oz			
WEIGHT	Style "E"	NET: 4.8 oz Shipping: 5.76 oz			
	Style "N"	NET: 5.3 oz Shipping: 5.6 oz			



Phase Monitors

- Available up to 480 VAC
- 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

PROTECTS 3-PHASE EQUIPMENT AGAINST:

- Phase Loss
- 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 A						
Operating Voltage						
See Ordering Information						
Type of Operation						
Fixed F						
Lock Shaft Adjusted L						
Screwdriver Adjusted S						
Enclosure Style						
Octal Plug-In, Dust Cover A						
Blade Plug-In, Dust Cover B						
Surface Mounted, #8 Screw Terminals E						
Surface Mounted, 1/4" Quick Disconnect Terminals N						
Options						
Add R Suffix when manual reset is required, (available only in style "E" enclosure)						
Plug-In models are UL listed only when used with RB-08 relay socket.						



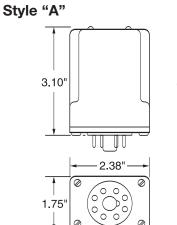


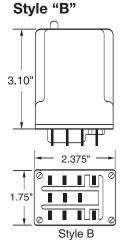
Style "N"



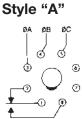
For UL Listed units, copper wire with 60°/75°C rating must be used for control circuitry connections.

DIMENSIONS (INCHES)





WIRING





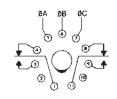
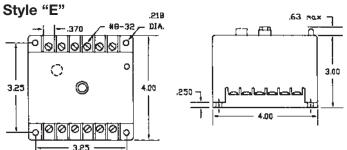
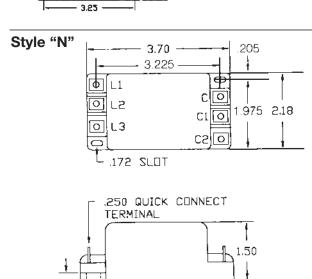


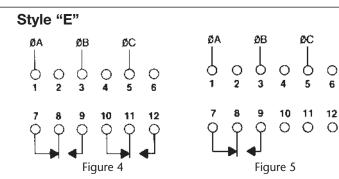
Figure 2 RB-11

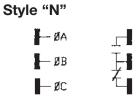


Figure 3 70-463-1









ORDERING INFORMATION

atcdiversified.com

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	Screwdriver	79-108	85-117	€ 20. LAR 3	SPDT, 345 VA Inductive; 10 Amps Resistive @ 240 VAC, Figure 1
SLA-120-ASB		Serewanter			c 911 us	SPDT, 345 VA Inductive; 10 Amps Resistive @ 240 VAC, Figure 3
SLA-230-ALA		Lock Shaft			c 911 us	DPDT, 345 VA Inductive; 10 Amps Resistive @ 240 VAC, Figure 2
SLA-230-ASA	190-270 Adj.		158-224	171-243	€ 20 LF 2	SPDT, 345 VA Inductive; 10 Amps Resistive @ 240 VAC, Figure 1
SLA-230-ASB		Screwdriver			c 71.1 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	D	
SUA-120-ALAU*		Lock Shaft			UD OF	SPDT, 345 VA Inductive; 10 Amps
SUA-230-ALA	190-270 Adj.		158-224	171-243	€ 20. 21. F2.	Resistive @ 240 VAC, Figure 1
SUA-230-ALAU*	170 270 Maj.		130-22-1	1,1,2,13	ULISTED	
SUA-380-ASA	350-440 Adj.	Caroudrina	290-365	315-396	-: <i>6</i>	SPDT, 360 VA Inductive; 10 Amps
SUA-440-ASA	430-480 Adj.	Screwdriver	357-398	387-432	c FLL us 🐠	Resistive @ 240 VAC, Figure 1
*III Listed only when used with RR-08 relay socket: 5 Amps Resistive @ 240 VAC All voltages referenced on this page are phase-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	ERATING DROP-OUT VOLTAGE			AGENCY	
NUMBER	VOLTAGE	1 Ø LOW	3 Ø LOW	RESET	APPROVAL	OUTPUT RATINGS
SLA-120-ALE	95-130 Adj.	79-108	85-117	Automatic	ULISTED (DPDT, 211 VA Inductive; 10 Amps Resistive @ 120 VAC. Figure 4
SLA-120-ALER	95-150 Auj.	79-100	05-117	Manual	ULISTED (DPDT, 211 VA Inductive; 10 Amps Resistive @ 120 VAC. Figure 4
SLA-230-ALE	190-270 Adj.	158-224	171-243	Automatic	ULISTED (DPDT, 345 VA Inductive; 5 Amps Resistive @ 240 VAC. Figure 4
SLA-230-ALER	170-270 Maj.	130-22-1	171-243	Manual	UL STED	DPDT, 345 VA Inductive; 5 Amps Resistive @ 240 VAC. Figure 4
SLA-380-ALE	350-440 Adj.	290-365	315-396	Automatic	UL STED	DPDT, 360 VA Inductive; 3 Amps Resistive @ 600 VAC. Figure 4
SLA-380-ALER	330-440 Maj.	270-303	313-370	Manual	UL STED	SPDT, 360 VA Inductive; 3 Amps Resistive @ 600 VAC. Figure 5
SLA-440-ALE	430-480 Adj.	357-398	387-432	Automatic	UL STED	DPDT, 360 VA Inductive; 3 Amps Resistive @ 600 VAC. Figure 4
SLA-440-ALER	1-30-100 Maj. 337-370		307-132	Manual	UL STED	SPDT, 360 VA Inductive; 3 Amps Resistive @ 600 VAC. Figure 5
SLA-575-ALE	525-625 Adj.	436-519	473-563	Automatic	UL STED	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	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	— 1	
SLA-220-AFN	220	Fixed	183	198	c AL us	
SLA-240-AFN	240	Fixed	199	216		
All voltage referenced are phase-to-phase.						