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 Ordering 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					
	Style "A"	NET: 2.24 oz Shipping: 2.56 oz				
WEIGHT	Style "E"	3				
	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.					

SLA Series



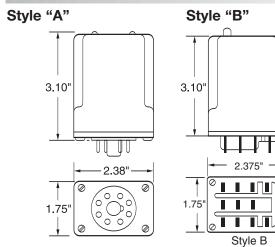


Style "N"

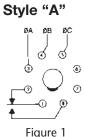


For UL Listed units, copper wire with 60°/75°C rating must be used for control circuitry connections.

DIMENSIONS (INCHES)









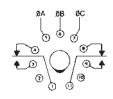
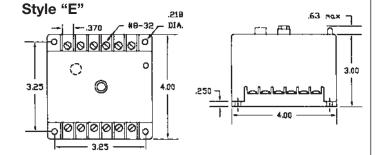


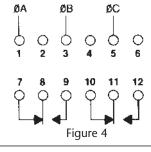
Figure 2 RB-11

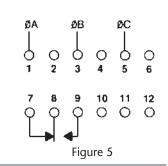


Figure 3 70-463-1

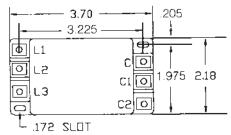


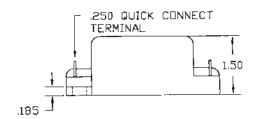




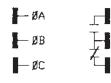








Style "N"



ORDERING INFORMATION

CTVI	E	Λ	DI	116	IAI

5								
OPERATING	TYPE OF	DROP-OUT	VOLTAGE	AGENCY				
VOLTAGE	ADJUSTMENT	1 Ø LOW	3 Ø LOW	APPROVAL	OUTPUT RATINGS			
	Lock Shaft			_	DPDT, 345 VA Inductive; 10 Amps Resistive @ 240 VAC. Figure 2			
95-130 Adj	Screwdriver	79-108	85-117	. 242 €	SPDT, 345 VA Inductive; 10 Amps Resistive @ 240 VAC, Figure 1			
	Screwarrer			c 911 us	SPDT, 345 VA Inductive; 10 Amps Resistive @ 240 VAC, Figure 3			
	Lock Shaft			c 911 us	DPDT, 345 VA Inductive; 10 Amps Resistive @ 240 VAC, Figure 2			
190-270 Adj.		158-224	171-243	. 9.1 🚯	SPDT, 345 VA Inductive; 10 Amps Resistive @ 240 VAC, Figure 1			
	Screwdriver			c 911 us	SPDT, 345 VA Inductive; 10 Amps Resistive @ 240 VAC, Figure 3			
350-440 Adj.		290-365	315-396		SPDT, 360 VA Inductive; 10 Amps			
430-480 Adj.		357-398	387-432	<u> </u>	Resistive @ 240 VAC, Figure 1			
95-130 Adi		79-108	85-117	⊕				
23 130 Maj.	Lock Shaft	77 100	03 117	ULISTED	SPDT, 345 VA Inductive; 10 Amps			
190-270 Adi	LOCK SHARE	158-224	171-243	. 242 €	Resistive @ 240 VAC, Figure 1			
170 270 Maj.		130-22-1	171213	ULISTED				
350-440 Adj.	Coroundrings	290-365	315-396	<i>6</i>	SPDT, 360 VA Inductive; 10 Amps			
430-480 Adj.	screwariver	357-398	387-432	: PL :: (P	Resistive @ 240 VAC, Figure 1			
	95-130 Adj. 190-270 Adj. 350-440 Adj. 95-130 Adj. 190-270 Adj. 190-270 Adj. 430-480 Adj.	VOLTAGE ADJUSTMENT Lock Shaft 95-130 Adj Screwdriver Lock Shaft 190-270 Adj. 350-440 Adj. 430-480 Adj. Lock Shaft Screwdriver Screwdriver Screwdriver Screwdriver Screwdriver Screwdriver Screwdriver	VOLTAGE ADJUSTMENT 1 Ø LOW 95-130 Adj Lock Shaft 79-108 190-270 Adj. Lock Shaft 158-224 350-440 Adj. 290-365 357-398 95-130 Adj. 79-108 79-108 190-270 Adj. 79-108 79-108 190-270 Adj. 158-224 290-365 350-440 Adj. 158-224 290-365 350-440 Adj. Screwdriver 290-365 430-480 Adj. Screwdriver 357-398	VOLTAGE ADJUSTMENT 1 Ø LOW 3 Ø LOW 95-130 Adj Lock Shaft 79-108 85-117 190-270 Adj. Lock Shaft 158-224 171-243 350-440 Adj. 290-365 315-396 430-480 Adj. 79-108 85-117 190-270 Adj. 79-108 85-117 158-224 171-243 158-224 350-440 Adj. 290-365 315-396 350-440 Adj. 350-440 Adj. 290-365 315-396 430-480 Adj. 357-398 387-432	VOLTAGE ADJUSTMENT 1 Ø LOW 3 Ø LOW APPROVAL 95-130 Adj Lock Shaft 79-108 85-117			

*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 Adj.	79-108	85-117	Automatic	ULISTED (DPDT, 211 VA Inductive; 10 Amps Resistive @ 120 VAC. Figure 4	
SLA-120-ALER	75-150 Auj.	72-100	03-117	Manual	ULISTED ST	DPDT, 211 VA Inductive; 10 Amps Resistive @ 120 VAC. Figure 4	
SLA-230-ALE	190-270 Adj.	158-224	171-243	Automatic	ULISTED TO	DPDT, 345 VA Inductive; 5 Amps Resistive @ 240 VAC. Figure 4	
SLA-230-ALER	170-270 Maj.	150-22-1	171-2-13	Manual	ULISTED (DPDT, 345 VA Inductive; 5 Amps Resistive @ 240 VAC. Figure 4	
SLA-380-ALE	350-440 Adj.	290-365	315-396	Automatic	ULISTED (DPDT, 360 VA Inductive; 3 Amps Resistive @ 600 VAC. Figure 4	
SLA-380-ALER	330-440 Auj.	270-303	313-370	Manual	ULISTED (SPDT, 360 VA Inductive; 3 Amps Resistive @ 600 VAC. Figure 5	
SLA-440-ALE	430-480 Adj.	357-398	387-432	Automatic	ULISTED (DPDT, 360 VA Inductive; 3 Amps Resistive @ 600 VAC. Figure 4	
SLA-440-ALER	1430-460 Auj. 337-398	337.370	307-732	Manual	ULISTED (SPDT, 360 VA Inductive; 3 Amps Resistive @ 600 VAC. Figure 5	
SLA-575-ALE	525-625 Adj.	436-519	473-563	Automatic	ULISTED (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.							