

# 88-XX-AR Series DataSheet

KUOYUH Enterprises Co.,Ltd.

ISSUE: KUOYUH W.L.Enterprise Co.,Ltd.

DATE: 2008/12/15

AUTOR: Hunter Huang

EDITION: A/1

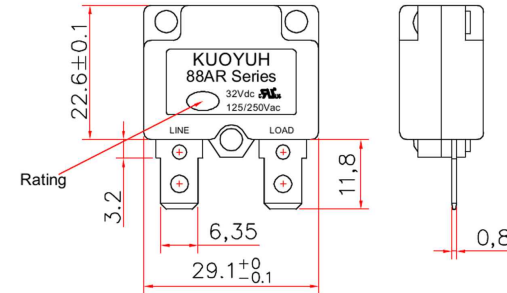
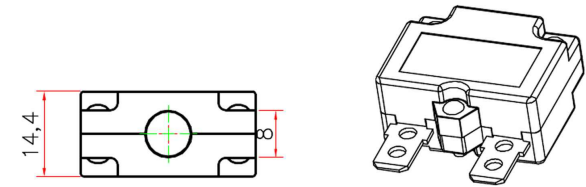
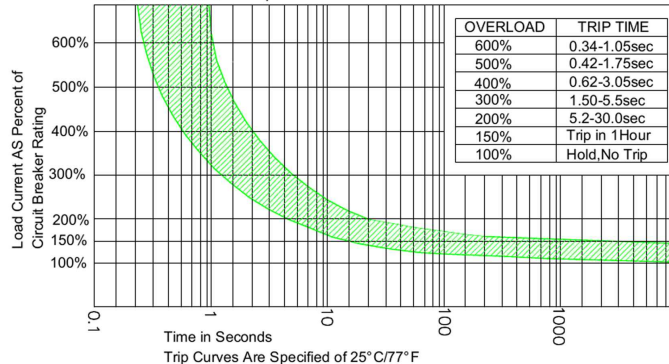
# 88AR Series Technical data

Rating: 3A~25A  
 Input Power: 32V dc  
 Interruption Capacity: 200Amp 50Vdc  
 Dielectric Strength: 1500Vac X 1Minute  
 Resettable Overload Capacity: 6 Time Rated Current  
 Voltage Drop: Less Than 0.25V  
 Insulation Resistance: >500 M ohm  
 Reset Time: 3~60sec at 25°C  
 Temperature Rise at Terminal Block: Less than 65°C at 100% of rated current applied continuously  
 UL E317794 (UL 244A, CSA C22.2 No. 14 + UL 1077, CSA C22.2 No. 235)  
 Complies with Rohs

## Calibration(at 25°C)

100% of rated current: Hold, No Trip  
 101%~149% of rated current: Maybe Trip or Not  
 150% of rated current: Trip in 1 Hour  
 200% of rated current: 5.2~30.0sec  
 300% of rated current: 1.5~5.5sec  
 400% of rated current: 0.6~3.0sec

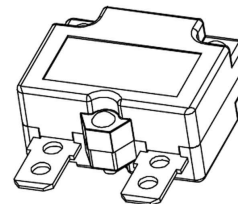
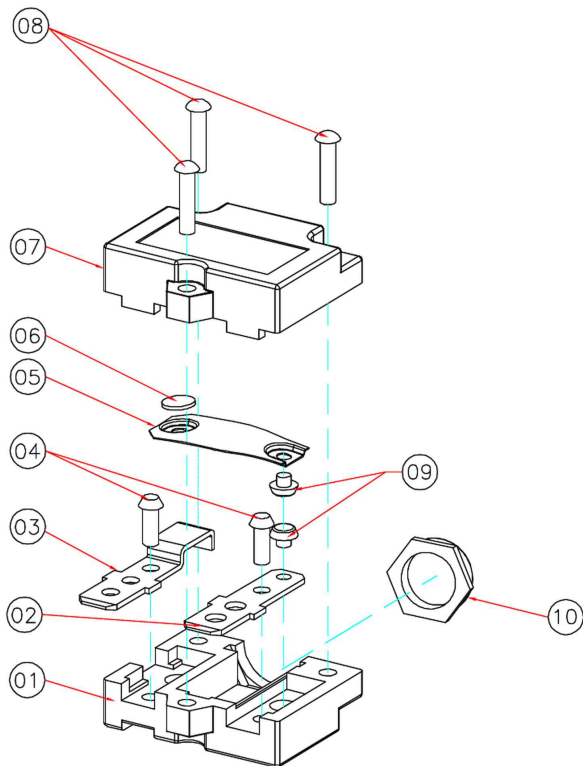
88AR Series Trip Time Curves



The time/current characteristic curve depends on the ambient temperature prevailing. In order to eliminate nuisance tripping, please multiply the current breaker current ratings by the derating factor shown below.

Ambient Temperature	-10°C	0°C	10°C	25°C	40°C	50°C	60°C
Multiplication Factor	1.5	1.4	1.2	1.00	0.85	0.7	0.6

NO	DESCRIPTION	APPROVED	DATE	TOLERANCE		APPROVED	CHECK	DESING	DRAWER	UNIT	mm	SCALE	DATE	REV	TITLE	DRAWING NO			
				DIMENSION	TOLERANCE														
4				XX.XX	±0.05	   	 	 	 			1:1							
3			XX.X	±0.1															
2				XX	±0.15														
1	UL 244A+UL1077 Approved	Hunter Huang	97.12.15	ANGLE	TOLERANCE	FILE NO	88AR Series Protectors						A1		Appliance Control with Supplementary protector				
				X	±1°	KUOYUH W.L. Enterprise Co.,Ltd.													
					±0.5°														

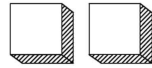


	Part Name	Disignation	
1	Case	Phenolic	1pc
2	Terminal	Coper Alloy (C2680)	1pc
3	Terminal	Coper Alloy (C2680)	1pc
4	Rivet	Aluminum	2pcs
5	Elastic Sheet	Bimetal (EMS or Sumitomo)	1pc
6	Washer	Coper Alloy (C2680)	1pc
7	Enclosure	Phenolic	1pc
8	Rivet	Aluminum	3pcs
9	Contact	AgNi(Thickness=0.3mm)	2pcs
10	Mounting Means	ABS 766	1pc

NO	DESCRIPTION	APPROVED	DATE	TOLERANCE		APPROVED	CHECK	DESING	DRAWER	UNIT	mm		
				DIMENSION	TOLERANCE								
4				XX.XX	±0.05					SCALE	1:1		
3			XX.X	±0.1	DATE					REV	A1		2008.12.15
2			XX	±0.15	FILE NO					88AR Series Protectors	TITLE		Appliance Control with Supplementary protector
1	UL 244A+UL1077 Approved	Himter Huang	97.12.15	ANGLE	TOLERANCE	<b>KUOYUH W.L. Enterprise Co.,Ltd.</b>		DRAWING NO					
				X	±1°								
					±0.5°								

# 88

Series No.



Amp Rating

03= 3Amp  
04= 4Amp  
:  
18= 18Amp  
20= 20Amp

# AR



Rod Type

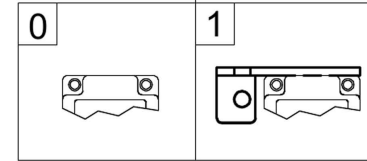
0=None  
B=Black Rod



Terminal Type



Fitting

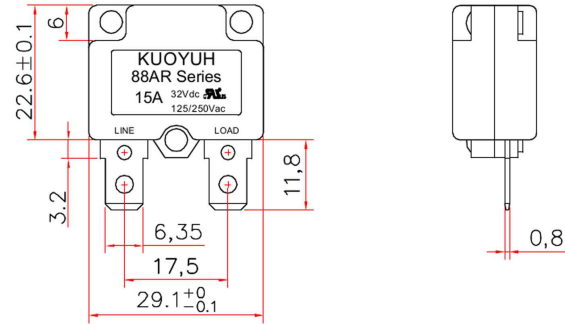
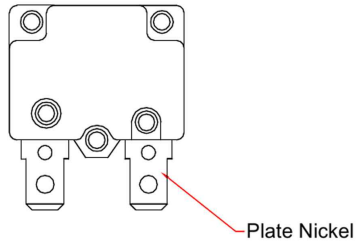
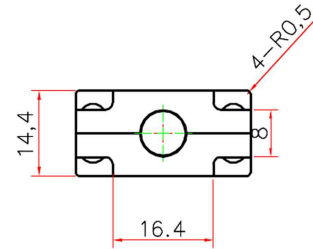


### Terminal Type

Straight 11.8mm	90° bend up	90° bend down	90° bend Line pin	90° bend Load pin	Straight 8.0mm	90° bend up/down	45° bend up	45° bend down	Screwa #8-32	Straight 3.2mm
1	2	3	4	5	6	7	8	9	F	X

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1	UL 244A+UL1077 Approved	Himter Huang	97.12.15	ANGLE	TOLERANCE	FILE NO	88AR Series Protectors						A1	2008.12.15	Appliance Control with Supplementary protector			
				X	±1°	<b>KUOYUH W.L. Enterprise Co.,Ltd.</b>									DRAWING NO			
					±0.5°													

88-15-ARB10  
Rating:15A 32Vdc



Calibration(at 25 C)

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				DIMENSION	TOLERANCE					SCALE	1:1		
4				XX.XX	±0.05					SCALE	1:1		
3			XX.X	±0.1	DATE					REV	A1		2008.12.15
2			XX	±0.15	FILE NO					88AR Series Protectors	TITLE		Appliance Control with Supplementary protector
1	UL Approved(UL248A)	Himter Huang	97.12.15	ANGLE	TOLERANCE	<b>KUOYUH W.L. Enterprise Co.,Ltd.</b>		DRAWING NO	88-15-ARB10				
				X	±1°								
					±0.5°								