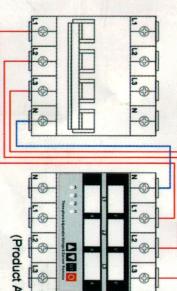
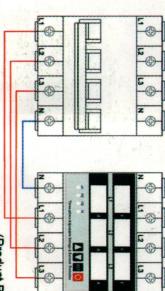


● Technical data

Rated supply voltage	AC 220V	AC 380V
Operation voltage range	AC 80~400V(three phase)	AC 140~700V(three phase)
Rated frequency	50/60Hz	50/60Hz
Electrical current(≤)A setting range	1~40A/63A/80A/100A	1~40A/63A/80A/100A
Over-voltage(≤U)setting range	230~500V	390~500V
Under-voltage(<U)setting range	10~140V	370~260V
Rated current	40A/63A/80A/100A	40A/63A/80A/100A
>U and <U trip delay	0.1~30S	0.1~30S
Reverse/start delay	1~500S	1~500S
Voltage measurement accuracy	2%	2%
Rated insulation voltage	400V	700V
Output contact	3NO	3NO
Mechanical life	10 <sup>5</sup>	10 <sup>5</sup>
Protection degree	IP20	IP20
Pollution degree	3	3
Altitude	≤2000m	≤2000m
Operating temperature	-50°C~+55°C	-50°C~+55°C
Humidity	≤80%RH(40°C)(without condensation)	≤80%RH(40°C)(without condensation)
Storage temperature	-30°C~+70°C	-30°C~+70°C

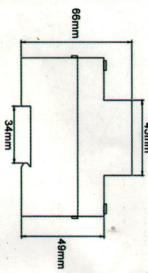


(Product A)



(Product B)

● Wiring and shape dimensions

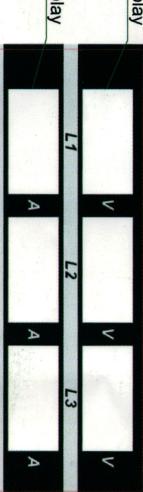


95mm  
86mm  
49mm  
34mm

● Voltage display



● Current display



● Power

● Over-voltage

● Under-voltage

● Over-current

● Increase

● Default setting

Technical parameter	Setting range	Step	Factory setting
Power-on delay time	1~500S	1S	10S
Over-voltage protection value	230~300V/380~500V	1V	270V/430V
Over-voltage recovery value	225~285V/385~485V	1V	285V/425V
Over-voltage protection delay time	1~500S	1S	30S
Over-voltage protection action time	0.1~30S	0.1S	1S
Under-voltage protection value	210~140V/370~260V	1V	170V/330V
Under-voltage recovery value	215~145V/375~265V	1V	175V/335V
Under-voltage protection delay time	1~500S	1S	30S
Under-voltage protection action time	0.1~30S	0.1S	1S
Three-phase voltage unbalance protection switch	225 → 285V(220V) 385 → 495V(380V)	1V	270
Over-voltage recovery delay time	1~500S	1V	30
Phase sequence protection switch	OFF/on	ON	U13
Over-current protection value	1~40A/63A/80A/100A	1A	10
Over-current protection action time	0.1~30S	0.1S	300
Over-current recovery delay time	1~500S	1S	30S
Under-voltage protection value	1~500V	1V	U-5
Under-voltage recovery value	370~260V(380V)	1V	10
Three-phase current error value	-9.5~9.5%	0.5%	U-6
Continuous over-current protect times	1~200FF	1	10
Three-phase voltage error value	-9.5~9.5%	0%	U-7
Under-voltage recovery delay time	1~500S	1S	30
Under-voltage protection action time	0.1~30S	0.1S	U-8
Under-voltage recovery value	215~145V(220V)	1V	115
Three-phase current error value	-9.5~9.5%	0.5%	U-9
Continuous over-current protect times	1~200FF	1	5
Three-phase voltage error value	-9.5~9.5%	0%	P-1
Long press set for 5 seconds to save	To adjust the figure quickly by long time press the add or subtract key	5	10

● Function setting

220	220	220	Voltage display
220	220	220	Current display
220	220	220	Power
220	220	220	Over-voltage protection value
220	220	220	Under-voltage protection value
220	220	220	Three-phase voltage unbalance recovery value
220	220	220	Three-phase current error value
220	220	220	Continuous over-current protect times
220	220	220	Three-phase voltage error value
220	220	220	Long press set for 5 seconds to save

U-10	Three-phase voltage unbalance value
20	20 → 99V
U-11	Three-phase voltage unbalance recovery value
5	5 → 94V
U-12	Three-phase voltage unbalance protection switch
OFF/on	OFF/on
U-13	Phase sequence protection switch
ON	OFF/on
U-14	Over-voltage protection action time
0.1~30S	0.1S
U-15	Over-current protection value
1~40A/63A/80A/100A	1A
U-16	Over-current protection action time
0.1~30S	0.1S
U-17	Over-current recovery delay time
1~500S	1S
U-18	Under-voltage protection value
1~500V	1V
U-19	Under-voltage recovery value
370~260V(380V)	1V
U-20	Under-voltage recovery delay time
1~500S	1S
U-21	Under-voltage protection action time
0.1~30S	0.1S
U-22	Under-voltage recovery value
215~145V(220V)	1V
U-23	Under-voltage recovery delay time
1~500S	1S
U-24	Under-voltage protection action time
0.1~30S	0.1S
U-25	Under-voltage recovery value
375~265V(380V)	1V
U-26	Under-voltage recovery delay time
1~500S	1S
U-27	Under-voltage protection action time
0.1~30S	0.1S
U-28	Under-voltage recovery value
215~145V(220V)	1V
U-29	Under-voltage recovery delay time
1~500S	1S
U-30	Under-voltage protection action time
0.1~30S	0.1S
U-31	Under-voltage recovery value
375~265V(380V)	1V
U-32	Under-voltage recovery delay time
1~500S	1S
U-33	Under-voltage protection action time
0.1~30S	0.1S
U-34	Under-voltage recovery value
215~145V(220V)	1V
U-35	Under-voltage recovery delay time
1~500S	1S
U-36	Under-voltage protection action time
0.1~30S	0.1S
U-37	Under-voltage recovery value
375~265V(380V)	1V
U-38	Under-voltage recovery delay time
1~500S	1S
U-39	Under-voltage protection action time
0.1~30S	0.1S
U-40	Under-voltage recovery value
215~145V(220V)	1V
U-41	Under-voltage recovery delay time
1~500S	1S
U-42	Under-voltage protection action time
0.1~30S	0.1S
U-43	Under-voltage recovery value
375~265V(380V)	1V
U-44	Under-voltage recovery delay time
1~500S	1S
U-45	Under-voltage protection action time
0.1~30S	0.1S
U-46	Under-voltage recovery value
215~145V(220V)	1V
U-47	Under-voltage recovery delay time
1~500S	1S
U-48	Under-voltage protection action time
0.1~30S	0.1S
U-49	Under-voltage recovery value
375~265V(380V)	1V
U-50	Under-voltage recovery delay time
1~500S	1S
U-51	Under-voltage protection action time
0.1~30S	0.1S
U-52	Under-voltage recovery value
215~145V(220V)	1V
U-53	Under-voltage recovery delay time
1~500S	1S
U-54	Under-voltage protection action time
0.1~30S	0.1S
U-55	Under-voltage recovery value
375~265V(380V)	1V
U-56	Under-voltage recovery delay time
1~500S	1S
U-57	Under-voltage protection action time
0.1~30S	0.1S
U-58	Under-voltage recovery value
215~145V(220V)	1V
U-59	Under-voltage recovery delay time
1~500S	1S
U-60	Under-voltage protection action time
0.1~30S	0.1S
U-61	Under-voltage recovery value
375~265V(380V)	1V
U-62	Under-voltage recovery delay time
1~500S	1S
U-63	Under-voltage protection action time
0.1~30S	0.1S
U-64	Under-voltage recovery value
215~145V(220V)	1V
U-65	Under-voltage recovery delay time
1~500S	1S
U-66	Under-voltage protection action time
0.1~30S	0.1S
U-67	Under-voltage recovery value
375~265V(380V)	1V
U-68	Under-voltage recovery delay time
1~500S	1S
U-69	Under-voltage protection action time
0.1~30S	0.1S
U-70	Under-voltage recovery value
215~145V(220V)	1V
U-71	Under-voltage recovery delay time
1~500S	1S
U-72	Under-voltage protection action time
0.1~30S	0.1S
U-73	Under-voltage recovery value
375~265V(380V)	1V
U-74	Under-voltage recovery delay time
1~500S	1S
U-75	Under-voltage protection action time
0.1~30S	0.1S
U-76	Under-voltage recovery value
215~145V(220V)	1V
U-77	Under-voltage recovery delay time
1~500S	1S
U-78	Under-voltage protection action time
0.1~30S	0.1S
U-79	Under-voltage recovery value
375~265V(380V)	1V
U-80	Under-voltage recovery delay time
1~500S	1S
U-81	Under-voltage protection action time
0.1~30S	0.1S
U-82	Under-voltage recovery value
215~145V(220V)	1V
U-83	Under-voltage recovery delay time
1~500S	1S
U-84	Under-voltage protection action time
0.1~30S	0.1S
U-85	Under-voltage recovery value
375~265V(380V)	1V
U-86	Under-voltage recovery delay time
1~500S	1S
U-87	Under-voltage protection action time
0.1~30S	0.1S
U-88	Under-voltage recovery value
215~145V(220V)	1V
U-89	Under-voltage recovery delay time
1~500S	1S
U-90	Under-voltage protection action time
0.1~30S	0.1S
U-91	Under-voltage recovery value
375~265V(380V)	1V
U-92	Under-voltage recovery delay time
1~500S	1S
U-93	Under-voltage protection action time
0.1~30S	0.1S
U-94	Under-voltage recovery value
215~145V(220V)	1V
U-95	Under-voltage recovery delay time
1~500S	1S
U-96	Under-voltage protection action time
0.1~30S	0.1S
U-97	Under-voltage recovery value
375~265V(380V)	1V
U-98	Under-voltage recovery delay time
1~500S	1S
U-99	Under-voltage protection action time
0.1~30S	0.1S
U-100	Under-voltage recovery value
215~145V(220V)	1V
U-101	Under-voltage recovery delay time
1~500S	1S
U-102	Under-voltage protection action time
0.1~30S	0.1S
U-103	Under-voltage recovery value
375~265V(380V)	1V
U-104	Under-voltage recovery delay time
1~500S	1S
U-105	Under-voltage protection action time
0.1~30S	0.1S
U-106	Under-voltage recovery value
215~145V(220V)	1V
U-107	Under-voltage recovery delay time
1~500S	1S
U-108	Under-voltage protection action time
0.1~30S	0.1S
U-109	Under-voltage recovery value
375~265V(380V)	1V
U-110	Under-voltage recovery delay time
1~500S	1S
U-111	Under-voltage protection action time
0.1~30S	0.1S
U-112	Under-voltage recovery value
215~145V(220V)	1V
U-113	Under-voltage recovery delay time
1~500S	1S
U-114	Under-voltage protection action time
0.1~30S	0.1S
U-115	Under-voltage recovery value
375~265V(380V)	1V
U-116	Under-voltage recovery delay time
1~500S	1S
U-117	Under-voltage protection action time
0.1~30S	0.1S
U-118	Under-voltage recovery value
215~145V(220V)	1V
U-119	Under-voltage recovery delay time
1~500S	1S
U-120	Under-voltage protection action time
0.1~30S	0.1S
U-121	Under-voltage recovery value
375~265V(380V)	1V
U-122	Under-voltage recovery delay time
1~500S	1S
U-123	Under-voltage protection action time
0.1~30S	0.1S
U-124	Under-voltage recovery value
215~145V(220V)	1V
U-125	Under-voltage recovery delay time
1~500S	1S
U-126	Under-voltage protection action time
0.1~30S	0.1S
U-127	Under-voltage recovery value
375~265V(380V)	1V
U-128	Under-voltage recovery delay time
1~500S	1S
U-129	Under-voltage protection action time
0.1~30S	0.1S
U-130	Under-voltage recovery value
215~145V(220V)	1V
U-131	Under-voltage recovery delay time
1~500S	1S
U-132	Under-voltage protection action time
0.1~30S	0.1S
U-133	Under-voltage recovery value
375~265V(380V)	1V
U-134	Under-voltage recovery delay time
1~500S	1S
U-135	Under-voltage protection action time
0.1~30S	0.1S
U-136	Under-voltage recovery value
215~145V(220V)	1V
U-137	Under-voltage recovery delay time
1~500S	1S
U-138	Under-voltage protection action time
0.1~30S	0.1S
U-139	Under-voltage recovery value
375~265V(380V)	1V
U-140	Under-voltage recovery delay time
1~500S	1S
U-141	Under-voltage protection action time
0.1~30S	0.1S
U-142	Under-voltage recovery value
215~145V(220V)	1V
U-143	Under-voltage recovery delay time
1~500S	1S
U-144	Under-voltage protection action time
0.1~30S	0.1S
U-145	Under-voltage recovery value
375~265V(380V)	1V
U-146	Under-voltage recovery delay time
1~500S	1S
U-147	Under-voltage protection action time
0.1~30S	0.1S
U-148	Under-voltage recovery value
215~145V(220V)	1V
U-149	Under-voltage recovery delay time
1~500S	1S
U-150	Under-voltage protection action time
0.1~30S	0.1S
U-151	Under-voltage recovery value
375~265V(380V)	1V
U-152	Under-voltage recovery delay time
1~500S	1S
U-153	Under-voltage protection action time
0.1~30S	0.1S
U-154	Under-voltage recovery value
215~145V(220V)	1V
U-155	Under-voltage recovery delay time
1~500S	1S
U-156	Under-voltage protection action time
0.1~30S	0.1S
U-157	Under-voltage recovery value
375~265V(380V)	1V
U-158	Under-voltage recovery delay time
1~500S	1S
U-159	Under-voltage protection action time
0.1~30S	0.1S
U-160	Under-voltage recovery value
215~145V(220V)	1V
U-161	Under-voltage recovery delay time
1~500S	1S
U-162	Under-voltage protection action time
0.1~30S	0.1S
U-163	Under-voltage recovery value
375~265V(380V)	1V
U-164	Under-voltage recovery delay time
1~500S	1S
U-165	Under-voltage protection action time
0.1~30S	0.1S
U-166	Under-voltage recovery value
215~145V(220V)	1V
U-167	Under-voltage recovery delay time
1~500S	1S
U-168	Under-voltage protection action time
0.1~30S	0.1S
U-169	Under-voltage recovery value
375~265V(380V)	1V
U-170	Under-voltage recovery delay time
1~500S	1S
U-171	Under-voltage protection action time
0.1~30S	0.1S
U-172	Under-voltage recovery value
215~145V(220V)	1V
U-173	Under-voltage recovery delay time
1~500S	1S
U-174	Under-voltage protection action time
0.1~30S	0.1S
U-175	Under-voltage recovery value
375~265V(380V)	1V
U-176	Under-voltage