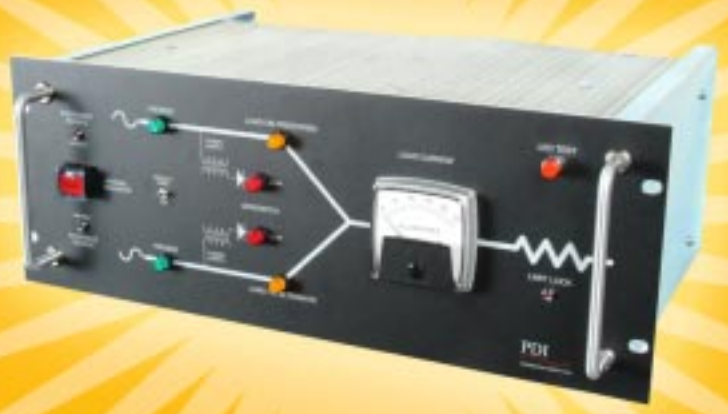
ASYNCHRONOUS TRANSFER SWITCH SYSTEMS - SINGLE PHASE

THE SECURITY OF UNLIMITED POWER

The QwikSwitch™

If you have multiple AC sources available, you can now take advantage of a seamless connection to longterm standby power via QwikSwitch's™ patented “out-of-phase” switching.

The QwikSwitch™ maintains continuous power to critical control systems without the limitations of conventional contactors or UPS type systems for use in utilities, conventional UPS, generators, and battery banks.



Applications

- Networks/servers
- Monitoring systems
- Telecommunications
- Critical control systems
- Computer data acquisition
- Research and development testing
- Aviation and space instrumentation
- PLC-based industrial control systems
- Virtually any computer dependent application

Standard Features

- Terminal block for remote status
- Non-resettable counter
- Load Limit Lock (transfer inhibit)

System Configurations

- Single phase
- 120V-60Hz, 240V-60Hz, 220V-50Hz
- recognized
- 19" relay rack or panel mount
- Custom systems available

Features	Benefits
• **Asynchronous transfers – 180° source phase differential acceptable**	• Connect loads to virtually any AC sinewave source • Asynchronous transfer between sources regardless of phase • Automatic transfer on degradation or failure of the preferred source • High speed (6ms) transfers maintain critical loads
• **Coordinated break-before-make operation**	• Patented “break-before-make” switching through proven solid state technology • Eliminates the need for synchronization monitoring
• **Solid state logic and switching components**	• Ensures reliable switching without contact bounce, erosion or arcing
• **Transient and noise protection (snubbers and MOVs)**	• Performs without generation of harmful noise or transients
• **Surface mount or relay rack mount configurations**	• Provides flexibility without battery or inverter concerns

QWIKSWITCH™ ASYNCHRONOUS TRANSFER SWITCH SYSTEMS

SINGLE PHASE PART NUMBER DESIGNATIONS

QS 120 45 RR X -222 M1 XX 50

PRODUCT DESIGNATION
QwikSwitch™

VOLTAGE RATING
Nominal

AMPERAGE RATING
Full Load

TYPE
RR Relay Rack
SM Surface Mount (subpanel)

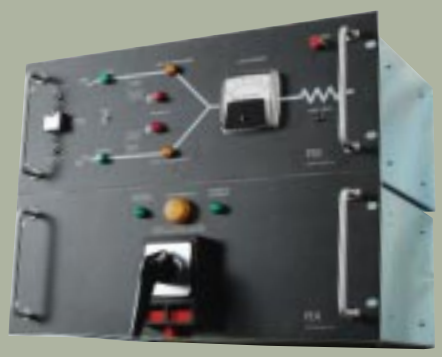
SERIES
Includes Load Limit Lock (transfer inhibit) Standard

OPTION
Custom Configuration

HERTZ
50 50 Hz
Not designated = 60 Hz

OPTIONS
Z Calibration Deviations e.g. transfer voltage set point
L Transfer Latch LED
R Line Filter Ferrite Core

AMP METER
Standard Scale



QWIKSWITCH SHOWN WITH OPTIONAL BYPASS CABINET

DIMENSIONS & WEIGHT

120 VAC - 60 HZ

KVA	AMPS	WATTS*	MODEL	STYLE	SIZE	WEIGHT
3	25	90	12025	-RR	19"W x 7"H x 12"D	15
5	45	136	12045	-RR	19"W x 7"H x 12"D	20
8	65	205	12065	-RR	19"W x 7"H x 12"D	25
10	85	291	12085	-RR	19"W x 7"H x 12"D	30
3	25	90	12025	-SM	24"W x 24"H x 6"D	15
5	45	136	12045	-SM	24"W x 24"H x 6"D	17
8	65	205	12065	-SM	24"W x 24"H x 6"D	25
10	85	291	12085	-SM	24"W x 24"H x 6"D	30
12	100	370	120100	-SM*	36"W x 30"H x 12"D	40
24	200	610	120200	-SM*	36"W x 30"H x 12"D	50
36	300	1240	120300	-SM	36"W x 30"H x 12"D	65

240 VAC - 60 HZ

6	25	90	24025	-RR	19"W x 7"H x 12"D	15
11	45	136	24045	-RR	19"W x 7"H x 12"D	20
16	65	205	24065	-RR	19"W x 7"H x 12"D	25
20	85	291	24085	-RR	19"W x 7"H x 12"D	30
6	25	90	25025	-SM	24"W x 24"H x 6"D	15
11	45	136	24045	-SM	24"W x 24"H x 6"D	17
16	65	205	24065	-SM	24"W x 24"H x 6"D	25
20	85	291	25085	-SM	24"W x 24"H x 6"D	30
24	100	370	240100	-SM*	36"W x 30"H x 12"D	40
48	200	610	240200	-SM*	36"W x 30"H x 12"D	50
72	300	1240	240300	-SM	36"W x 30"H x 12"D	65

220 VAC - 50 HZ

6	25	90	22025	-RR	19"W x 7"H x 12"D	15
10	45	136	22045	-RR	19"W x 7"H x 12"D	20
14	65	205	22065	-RR	19"W x 7"H x 12"D	25
19	85	291	22085	-RR	19"W x 7"H x 12"D	30
6	25	90	22025	-SM	24"W x 24"H x 6"D	15
10	45	136	22045	-SM	24"W x 24"H x 6"D	17
14	65	205	22065	-SM	24"W x 24"H x 6"D	25
19	85	291	22085	-SM	24"W x 24"H x 6"D	30
22	100	370	220100	-SM*	36"W x 30"H x 12"D	40
44	200	610	220200	-SM*	36"W x 30"H x 12"D	50
66	300	1240	220300	-SM	36"W x 30"H x 12"D	65

NOTE:

1 Approximate dimensions and weight (lbs) reflects QwikSwitch™ unit only. Enclosure and options added separately.

2 Suffixes: "RR" indicates 19" Relay Rack; "SM" indicates Surface Mount aluminum subpanel; stule asterisk indicates fan cooled heat sinks. Watts asterisk indicates internal watts dissipated.

3 Ratings rounded to whole number and calculated at 50° C.

PDI

creating the perfect wave

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25 years