

Bypass Switch with Electrical Interlock

Wall Mount External Maintenance Bypass Switch



Your Power Solutions Partner

- Simple, safe and reliable means for bypassing UPS while maintaining continuity of power to critical AC loads
- Electrical interlock (with lock out) prevents accidental operation with non synchronized input and output; protecting downstream equipment
- Padlock safety feature to lock the switch in bypass mode during UPS service
- Electromechanical manual override feature, with key switch for emergency situations
- Auxiliary contacts for remote monitoring
- Seamless integration with Alpha AMPS HP2 systems

The external Maintenance Bypass switch allows you to manually transfer your connected equipment to utility power permitting scheduled maintenance, or complete UPS replacement, without power disruption. The switch has two modes of operation, UPS mode and Bypass (maintenance bypass mode). During the UPS mode, the power is being routed through the UPS system. During the bypass mode of operation, power is routed around (bypassing) the UPS system with power being supplied to the connected load through the Maintenance Bypass switch. The system incorporates dry contact monitoring of AMPS HP2 internal maintenance bypass switch with electrical interlock and prevents Maintenance Bypass switch activation if the internal AMPS HP2 maintenance bypass switch is not in bypass position. This provides exceptional load protection in the event of an unintentional transfer.

The switch can be used for the following applications:

- 120Vac single phase
- 120/240Vac split phase
- 120/208Vac 2 pole
- 120/208Vac three phase applications



Power



Bypass Switch with Electrical Interlock

Wall Mount External Maintenance Bypass Switch

STANDARD FEATURES					
<ul style="list-style-type: none"> • Rotary make-before-break bypass switch • Padlock to lock the switch during maintenance • UPS and Bypass Auxiliary dry contacts for monitoring • Certified to UL 508A 					
ELECTRICAL					
Part Number	0200220-INT	0200221-INT	0200222-INT	0200223-INT	
System Input Voltage	120 Single Phase (or) 120/208Vac 2-Pole (or) 120/240Vac Split-Phase	120/208Vac 3-Phase	120/208Vac 2-Pole (or) 120/240Vac Split-Phase	120/208Vac 3-Phase	
Current Rating(Amps)	100	100	200	250	
Short Circuit Current Rating (Utility Feed kAIC)	5		10		
Switches*	L1 & L2	L1, L2 & L3	L1 & L2	L1, L2 & L3	
Internal Fuse (Utility Feed)	None		2 x 400A	3 x 400A	
MONITORING					
UPS/Utility lamps, Electrical Interlock, Dry Contacts					
MECHANICAL					
Dimensions HxWxD	in	20 x 20 x 11	24 x 20 x 14	36 x 30 x 14	42 x 30 x 14
	mm	508 x 508 x 279.4	609.6 x 508 x 355.6	914.4 x 762 x 355.6	1066.8 x 762 x 355.6
Weight with Pallet	86 lbs	109 lbs	237 lbs	288 lbs	
AC Connections	#2 to 4/0 AWG	#2 to 4/0 AWG	#2 to 250mcm (dual) AWG	#1 to 500mcm (dual) AWG	
Aux Connections	#10-20 AWG				
ENVIRONMENTAL					
Temperature	Operating: -25 to 50°C (-13 to 122°F)				
	Storage: -40 to 75°C (-40 to 167°F)				
Relative Humidity	Up to 95%, non-condensing				
Altitude	Operating: Up to 3,858m (12,000ft) above sea level				
	Storage: Up to 4,572m (15,000ft) above sea level				
AGENCY COMPLIANCE					
Safety	UL/cUL 508A				
SELECTION GUIDE					
	0200220-INT (100A, 2-Pole)	0200221-INT (100A, 3-Pole)	0200222-INT (200A, 2-Pole)	0200223-INT (250A, 3-Pole)	
AMPS HP2 Medium 10 kVA	X				
AMPS HP2 Medium 20 kVA	X				
AMPS HP2 Medium 30 kVA		X			
AMPS HP2 Large 40 kVA			X		
AMPS HP2 Large 68kVA N+1				X	

*Neutral is not switched

Alpha Technologies Ltd.

For more information visit www.alpha.ca

Canada: Burnaby, British Columbia T: 604.436.5900 F: 604.436.1233
 United States: Bellingham, Washington T: 360.647.2360 F: 360.671.4936

#0470333-00 Rev A (08/2017)

Alpha Technologies reserves the right to make changes to the products and information contained in this document without notice.
 Copyright © 2017 Alpha Technologies. All Rights Reserved. Alpha® is a registered trademark of Alpha Technologies.
 member of The Alpha Group™ is a trademark of Alpha Technologies.

member of The Group™