

ASCO 175 Remote Control Switch

All-Purpose Remote Control Switch Designed For Double-Throw Capability And Load Control

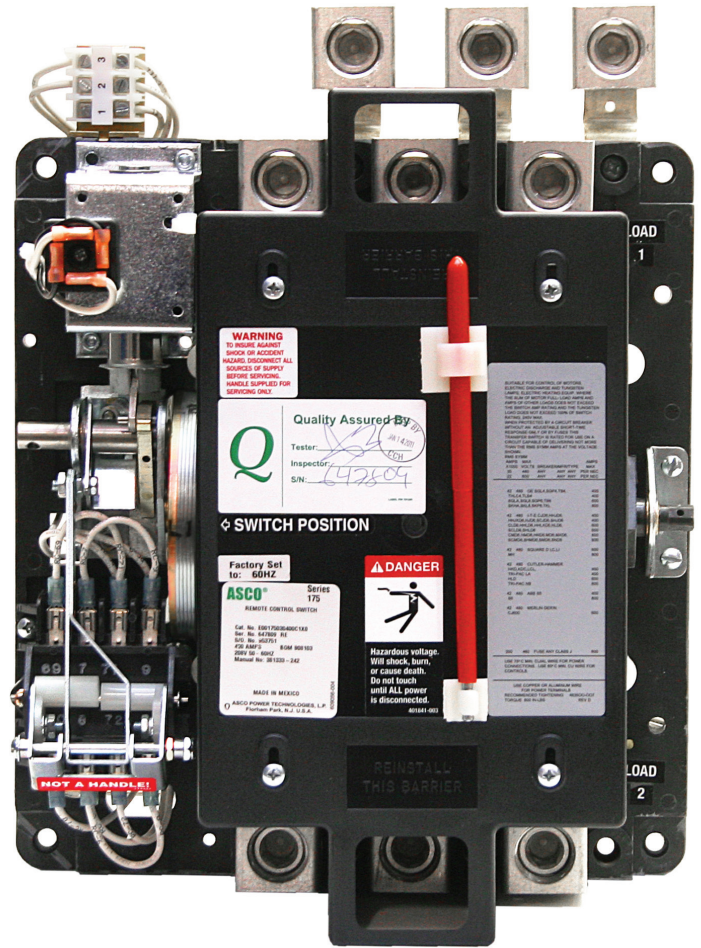
The ASCO 175 Remote Control Switch is a double-throw, mechanically held remote control switch that is used in applications requiring one or another load to be supplied from a common source.

Its true, double-throw nature prevents both loads from being simultaneously connected to the single power source.

Each switch is available for single phase or 3 phase applications in sizes from 30 to 1200 amps.

ASCO 175 Remote Control Switch Features and Benefits

- All-purpose double-throw switch from 30 to 1200 amps
- Used for all types of loads 120 to 480 VAC with full rating
- Designed for motor and high inrush
- Current thermal capacity is 20 times full load rating
- Prevents the two loads from being simultaneously connected to a single power source
- Interrupts 600 percent of rated current at 480V 60Hz 0.4 to 0.5 power factor
- Suitable for ballast lighting, heating, and motor loads to 480 VAC open or closed
- Maintains 100 percent tungsten load rated at 250 Volts AC
- Ideal as a panic switch control
- Power driven contacts lock in place
- Mountable in any position
- Flexible control from multiple locations
- No continuous control power consumption, reliable single solenoid operator



The ASCO 175 Remote Control Switch

ASCO 175 Dimensions

Switch Rating Amps	Dimensions in Inches		
	Open Frame	Type 1 Enclosure	Type 3R, 12, 4X
30-150	10.25H, 10.25W, 5.5D	31H, 17.5W, 11.6D	33.75H, 17.5W, 11.6D
260-400	18.5H, 12W, 6.87D	48H, 18W, 13D	49.25H, 18W, 13D
600-1000	31H, 27W, 12.7D	72H, 34W, 20D	72H, 34W, 20D
1200	31H, 27W, 12.7D	87H, 38W, 23D	87H, 38W, 23D

Note: Refer to Manual 381333-242 for Dimensional Detail.

ASCO 175 Withstand Current Rating

Switch Rating (Amps)	When Used with Circuit Breakers	
	WCR with Specific Circuit Breaker	WCR with Any Circuit Breaker
30-150	22,000	10,000
260-400	42,000	35,000
600-1000	65,000	50,000
1200	85,000	65,000

ASCO® The 175 Remote Control Switch Ordering Information

ASCO 175 Remote Control Switch Ordering Information

175 Remote Control Switch Catalog						
E	175	2	260	3	1	C
Prefix	Product	# of Poles	Amps	Voltage	Sub-Panel	Enclosures
D = 30-150A	175	02	30	A = 115V	1 = Group 1 Control Panel	C = Type 1
E = 260-400A			70	B = 120V		F = Type 3R
H = 600-1200A			100	C = 208V		L = Type 12
			150	D = 220V		H = Type 4X
			260	F = 240V		
			400	G = 277V		
		600	L = 440V			
		800	N = 480V			
		1000				
		1200				

Note: 115-120VAC Coils not available on H design switches 600-1200A.

ASCO 175 Wire Size for Service and Control Connectionson

Switch Rating (Amps)	Range or AL-CU Wire Sizes (Line and Load)
30-150	(1) #14 to 4/0 AWG
260-400	(2) #1/0 AWG to 250MCM or (1) #4 AWG to 600MCM
600	(2) #2 to 600MCM
800-1200	(4) 1/0 to 750MCM

Note: All Range of Lugs are listed on Outline

ASCO 175 Inrush Current Values and Control Line Run Distance

Switch Rating (Amps)	Control Voltage	Inrush Current	Control Line Run (Distance in Feet)		
			#14 AWG	#12 AWG	#10 AWG
30-150A	120V 60Hz	13 Amps	300	460	750
	240V 60Hz	9 Amps	800	1250	2000
260-400A	120V 60Hz	36 Amps	100	156	250
	240V 60Hz	17 Amps	425	660	1060
600-1200A	208-240V 60Hz	18 Amps	320	510	810

Note: Maximum distance between RCS Switch and remote control stations.
Based on 90% line voltage and minimum operating voltage of 75%.

ASCO 175 Shipping Weights

Switch Rating (Amps)	Approximate Shipping Weights in LBS.					
	Open Frame		Type 1 Enclosure		Type 3R, 12, 4X	
	2 Pole	3 Pole	2 Pole	3 Pole	2 Pole	3 Pole
30-150	17	20	59	62	74	77
260-400	30	38	107	115	122	130
600-800	119	142	418	442	469	482
1000-1200	131	160	431	611	631	660

Note: All Shipping weights are listed on Outline Drawings

ASCO 175 Optional Accessories:

- 47 – 2 – Wire control auxiliary control relay
- 48 – 3 – Wire control auxiliary control relay
- 49 – Form 3-control auxiliary control relay
- 52A – Control Line fuse for grounded control voltage
- 52B – Control line fuse for ungrounded control voltage (to-300V)
- 52C – Control line fuse for ungrounded control voltage (310-600V)
- 53B - Hoa 3-Position selector switch with center off position
- 53A – Momentary toggle switch with center off position for 3 wire control
- 9A/B – (2) indicating lights open/closed

Note: All accessories are mounted on front of enclosure except for control fuses.

For more information on the ASCO 175 Remote Control Switch:

- Call 800-800-ASCO (2726)
- Email customercare@asco.com
- Visit ascopepower.com
- Visit ascoapu.com