



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.

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

175 Dimensions

Switch Rating Amps	Dimensions in Inches		
	Open Frame	Type 1 Enclosure	Type 3R, 12, 4X
30-150	10.25W, 5.5D, 10.25H	17.5W, 11.6D, 31H	17.5W, 11.6D, 33.75H
260-400	12W, 6.87D, 18.5H	8W, 13D, 48H	8W, 13D, 49.25H
600	19W, 9.875D, 30H	24W, 17D, 63H	24W, 18.35D, 63H
800-1000	27W, 12.7D, 31H	34W, 20D, 72H	34W, 20D, 72H
1200	27W, 12.7D, 31H	38W, 23D, 87H	38W, 23D, 87H

175 Withstand Current Rating

Switch Rating Amps	When Used with Circuit Breakers	
	Specific Circuit Breaker	Time Based
30-150	22,000	10,000
260-600	50,000	35,000
800-1000	65,000	50,000
1200	85,000	65,000

The 175 Remote Control Switch Ordering Information

175 Remote Control Switch Catalog						
Prefix	Product	# of Poles	Amps	Voltage	Sub-Panel	Enclosures
E	175	2	260	3	1	C
D = 30-150A	175	02 03	30 70	A = 115V B = 120V C = 208V	1 = Group1 Control Panel	C = Type 1
J = 260-600A			100 150	D = 220V F = 240V		F = Type 3R L = Type 12
H = 800-1200A			260 400 600 800 1000 1200	G = 277V L = 440V N = 480V		H = Type 4X

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

175 Wire Size for Service and Control Connections	
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
600-1000	(2) #2 to 600MCM
1200	(4) 1/0 to 600MCM

Note: All Range of Lugs are listed on Outline

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	29 Amps	100	156	250
	240V 60Hz	24 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%.

175 Shipping Weights			
Switch Rating (Amps)	Approximate Shipping Weights in LBS.		
	Open Frame	Type 1 Enclosure	Type 3R/12 Enclosure
30-150	20	62	77
260-400	230	260	340
600	270	320	340
800-1000	270	460	542
1200	310	611	680

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)
- 53A – Momentary toggle switch with center off position for 3 wire control
- 53B – Hoa 3-Position selector switch with center off position
- 9A/B – (2) indicating lights open/closed

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