

AFU and AFUX Conveyor Control Switches

Pull Cord Type, Left or Right Hand, Single or Double End.

AFUX Series
Class I, Division 1 and 2, Groups C, D
Class II, Division 1 and 2, Groups E, F, G
Class III
NEMA 7CD, 9EFG

AFU Series
NEMA 3, 4, 4X, 12

Applications

- Emergency stop or normal stop switch for:
 - Conveyor lines
 - Cranes
 - Unloaders
 - Bulk handling systems
- Where alarm or computer interface capabilities are needed.
- Used in the control circuit of magnetic motor starters to shut down motor driven conveyors or other machinery.
- For use in:
 - Steel mills
 - Mining ore and coal handling operations
 - Automotive and other assembly lines
 - Warehouses
 - Loading docks
 - Other industrial processes
- AFUX Series is used in Class I and II areas where flammable vapors or highly combustible dusts are present.
- AFU Series has a gasketed cover rated for NEMA 3, 3R, 4, 4X.

Features

- Rugged torsion spring for positive actuation of flag arm.
- Stainless steel bushing may be easily reversed to increase or decrease actuation force (15 lbs/6.8 kgs or 25 lbs/11.3 kgs)
- Maximum distance between switches should not exceed 200 feet/61 meters.
- Available with two switch types:
 - A) Two circuit double break switch is rated 15 Amp, 120, 240, 480, 600 Vac, 0.5 HP 120 Vac, 1 HP 240 Vac, 0.8 Amp 115 Vdc, 0.4 Amp 230 Vdc.
 - B) Single pole/double throw switch is rated 20 Amp, 125, 250, 480 Vac, 10 Amp 125 Vac "L" tungsten lamp load, 1 HP 125 Vac, 2 HP 250 Vac, 0.5 Amp 125 Vdc, 0.25 Amp 250 Vdc.
- Switch temperature range -40 °F/-40 °C to 150 °F/ 66 °C.
- Two 1" conduit openings (top and bottom).

Standard Materials

- Housing: cast aluminum
- Flag arm: steel with red epoxy paint
- Actuator shaft, retaining ring, clevis loop and torsion springs: stainless steel

Standard Finishes

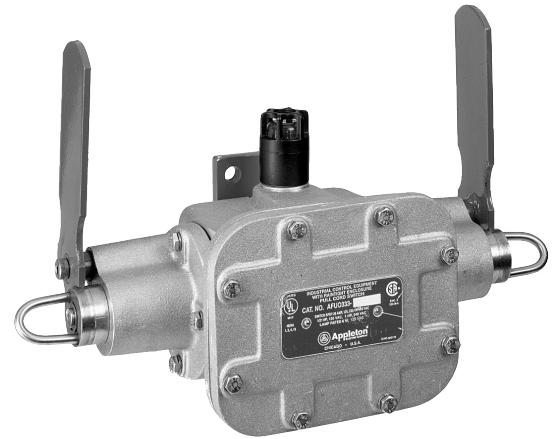
- Standard enclosure: peened

Options

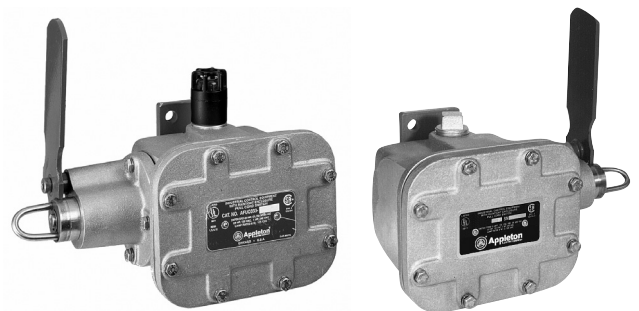
- When using in dimly lit applications, add suffix **-L** for red warning light (uses top conduit opening).
- To order epoxy powder coated switches add suffix **-S752**.

Certifications and Compliances

- UL Standards: UL 508, UL 698, UL 1203
- UL Listed: E164877, E10449



Double End Unit Right and Left Handed
with Option Warning Light AFU or AFUX



Left Hand Single Unit

Right Hand Single Unit

Controls

CONTROLS: HAZARDOUS LOCATION CONVEYOR SWITCHES

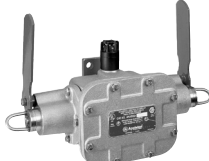
AFU and AFUX Conveyor Control Switches

Pull Cord Type, Left or Right Hand, Single or Double End.

AFUX Series
Class I, Division 1 and 2, Groups C, D
Class II, Division 1 and 2, Groups E, F, G
Class III
NEMA 7CD, 9EFG

AFU Series
NEMA 3, 4, 4X, 12

		No. of Two Circuit Double Break Micro Switches	Location Type	
Left or Right			Ordinary	Hazardous
 Left Hand Single	15 Pound Pull Force — Single End			
	Left	1	AFU0333-10	AFUX0333-10
	Right	1	AFU0333-01	AFUX0333-01
	Left	2	AFU0333-50	AFUX0333-50
 Double End	15 Pound Pull Force — Double End			
	Double End	1, each end	AFU0333-11	AFUX0333-11
	Double End	2, each end	AFU0333-55	AFUX0333-55
	 Right Hand Single	25 Pound Pull Force — Single End		
Left		1	AFU0333-20	AFUX0333-20
Right		1	AFU0333-02	AFUX0333-02
Left		2	AFU0333-60	AFUX0333-60
	25 Pound Pull Force — Double End			
	Double End	1, each end	AFU0333-22	AFUX0333-22
	Double End	2, each end	AFU0333-66	AFUX0333-66

		No. of Single Pole, Double Throw Micro Switches	Location Type	
Left or Right			Ordinary	Hazardous
 Left Hand Single	15 Pound Pull Force — Single End			
	Left	1	AFU0333-30	AFUX0333-30
	Right	1	AFU0333-03	AFUX0333-03
	Left	2	AFU0333-70	AFUX0333-70
 Double End	15 Pound Pull Force — Double End			
	Double End	1, each end	AFU0333-33	AFUX0333-33
	Double End	2, each end	AFU0333-77	AFUX0333-77
	 Right Hand Single	25 Pound Pull Force — Single End		
Left		1	AFU0333-40	AFUX0333-40
Right		1	AFU0333-04	AFUX0333-04
Left		2	AFU0333-80	AFUX0333-80
	25 Pound Pull Force — Double End			
	Double End	1, each end	AFU0333-44	AFUX0333-44
	Double End	2, each end	AFU0333-88	AFUX0333-88

CONTROLS: HAZARDOUS LOCATION CONVEYOR SWITCHES

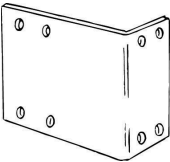
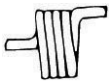
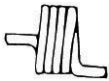
Controls

AFU and AFUX Conveyor Control Switch Accessories and Application

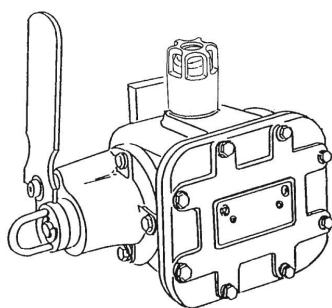
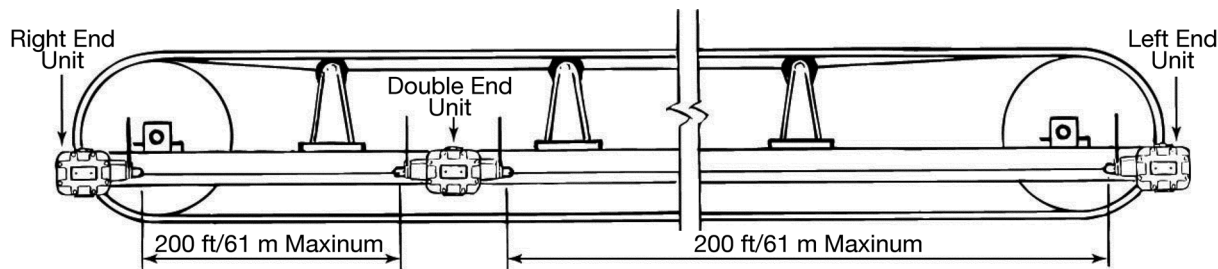
Pull Cord Type, Left or Right Hand, Single or Double End. Pull Cord Type, Left or Right Hand, Single or Double End.

AFUX Series
Class I, Division 1 and 2, Groups C, D
Class II, Division 1 and 2, Groups E, F, G
Class III
NEMA 7CD, 9EFG

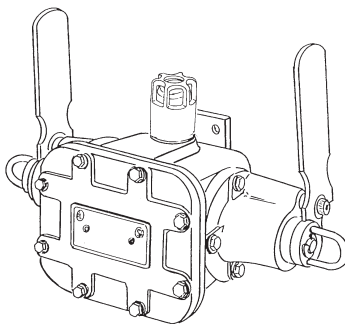
AFU Series
NEMA 3, 4, 4X, 12

Accessories		
	Description	Catalog Number
	Mounting Bracket	AFUMB
	Replacement Torsion Spring — Left	AFUTSL
	Replacement Torsion Spring — Right	AFUTSR
	Conduit Plug 1"—11-1/2 NPT	PLG100-S

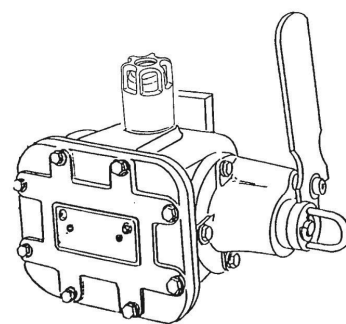
Typical Application



Left Hand Single Unit
(with option Warning Lamp)



Double End Unit Right and Left Handed
(with option Warning Lamp)



Right Hand Single Unit
(with option Warning Lamp)

Controls

CONTROLS: HAZARDOUS LOCATION CONVEYOR SWITCHES

AFU and AFUX Conveyor Control Switch Wiring Information and Dimensions

Pull Cord Type, Left or Right Hand, Single or Double End.

AFUX Series
Class I, Division 1 and 2, Groups C, D
Class II, Division 1 and 2, Groups E, F, G
Class III
NEMA 7CD, 9EFG

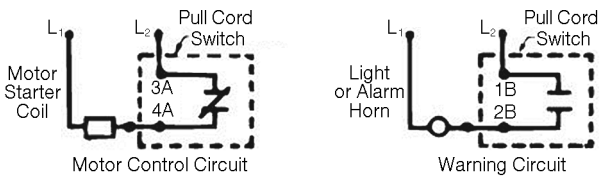
AFU Series
NEMA 3, 4, 4X, 12

Wiring Information

Description	Diagram
Single Pole Double Throw Circuit	
Single Pole, Double Throw Micro Switch Rating	
20 Amps, 125, 250 or 480 Vac 10 Amps, 125 Vac "L" (tungsten lamp load) 1 HP, 125 Vac 2 HP, 250 Vac 1/2 Amp, 125 Vdc 1/4 Amp, 250 Vdc	

Two Circuit, Double Break Micro Switch Rating

- 15 Amps, 120, 240, 480 or 600 Vac
- 1/2 HP, 120 Vac
- 1 HP, 240 Vac
- 0.8 Amp, 115 Vdc
- 0.4 Amp, 230 Vdc 0.8, 250 Vac
- 1/2 Amp, 125 Vdc
- 1/4 Amp, 250 Vdc



Two circuit double break switches must be wired to equal voltage sources and the same polarity. Loads should be on the same side of the lines. 1B has the same polarity as 3A.

Dimensions

