

# AFU and AFUX Conveyor Control Switches

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

**NEC — 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

**NEC — 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 — 6.8 or 11.3 kgs (15 or 25 lbs).
- Maximum distance between switches should not exceed 61 meters (200 feet).
- 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 °C to +66 °C (-40 °C to +151 °F).
- 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

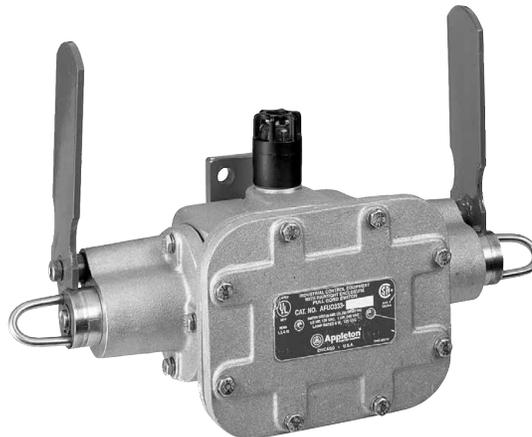
- Standard enclosure: peened

## 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**.

## NEC 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: NEC/CEC EXPLOSIONPROOF CONVEYOR SWITCHES

Appleton

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Appleton®

	Left or Right	No. of Two Circuit Double Break Micro Switches	Location Type	
			Ordinary	Hazardous
 Left Hand Single	<b>15 Pound Pull Force — Single End</b>			
	Left	1	AFU0333-10	AFUX0333-10
	Right	1	AFU0333-01	AFUX0333-01
	Left	2	AFU0333-50	AFUX0333-50
	Right	2	AFU0333-05	AFUX0333-05
 Double End	<b>15 Pound Pull Force — Double End</b>			
	Double End	1, each end	AFU0333-11	AFUX0333-11
 Right Hand Single	<b>25 Pound Pull Force — Single End</b>			
	Left	1	AFU0333-20	AFUX0333-20
	Right	1	AFU0333-02	AFUX0333-02
	Left	2	AFU0333-60	AFUX0333-60
	Right	2	AFU0333-06	AFUX0333-06
	<b>25 Pound Pull Force — Double End</b>			
Double End	1, each end	AFU0333-22	AFUX0333-22	
Double End	2, each end	AFU0333-66	AFUX0333-66	
	Left or Right	No. of Single Pole, Double Throw Micro Switches	Location Type	
			Ordinary	Hazardous
 Left Hand Single	<b>15 Pound Pull Force — Single End</b>			
	Left	1	AFU0333-30	AFUX0333-30
	Right	1	AFU0333-03	AFUX0333-03
	Left	2	AFU0333-70	AFUX0333-70
	Right	2	AFU0333-07	AFUX0333-07
 Double End	<b>15 Pound Pull Force — Double End</b>			
	Double End	1, each end	AFU0333-33	AFUX0333-33
 Right Hand Single	<b>25 Pound Pull Force — Single End</b>			
	Left	1	AFU0333-40	AFUX0333-40
	Right	1	AFU0333-04	AFUX0333-04
	Left	2	AFU0333-80	AFUX0333-80
	Right	2	AFU0333-08	AFUX0333-08
	<b>25 Pound Pull Force — Double End</b>			
Double End	1, each end	AFU0333-44	AFUX0333-44	
Double End	2, each end	AFU0333-88	AFUX0333-88	

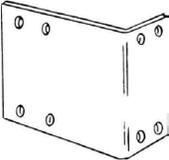
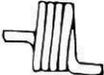
# AFU and AFUX Conveyor Control Switch Accessories and Application

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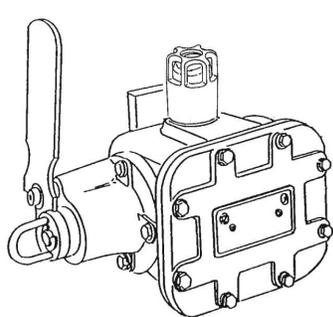
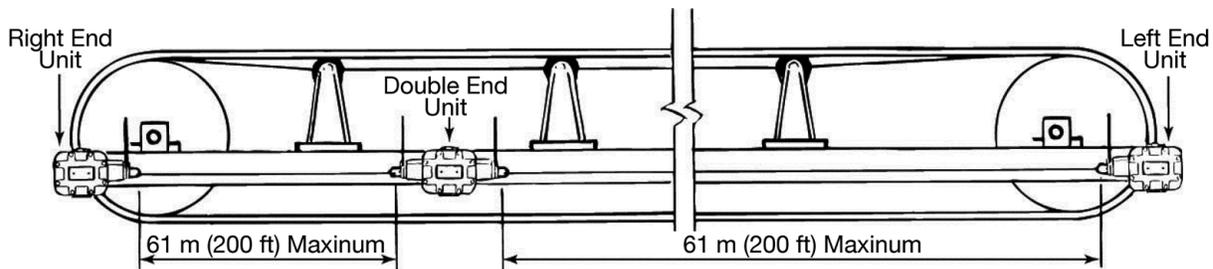
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## Accessories

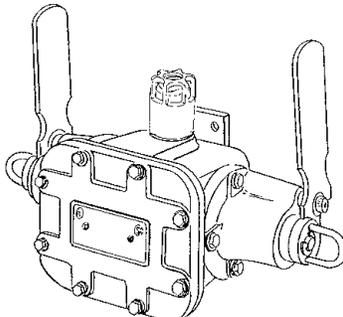
	Description	Catalog Number
	Mounting Bracket	AFUMB
	Replacement Torsion Spring — Left	AFUTSL
	Replacement Torsion Spring — Right	AFUTSR
	Conduit Plug 1” — 11-1/2 NPT	PLG100-S

CONTROLS: NEC/CEC EXPLOSIONPROOF CONVEYOR SWITCHES

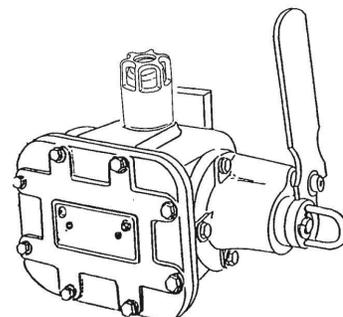
## Typical Application



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)



