



COUGH DROP

MOMENTARY MUTING SWITCH FEATURES

- Noiseless "No-Pop" Mute Switch
- Works Equally Well with Phantom Powered or Normal Balanced Mics
- Sloped Top Panel Allows Easy Access to Switch for Foot or Hand Operation
- Sturdy 16-gauge Steel and Extruded Polyvinyl Chloride Enclosure
- Reliable Mechanical Switch
- Passive Design Requires No Batteries or Phantom Power to Operate
- Connects with Standard Mic Cables
- Ideal for Momentary Muting in Live Broadcast Situations

DESCRIPTION

The Pro Co Cough Drop is a simple microphone signal muting device that offers clean, reliable performance with nearly any balanced or floating low impedance (150Ω nominal) microphone or signal source.

The Pro Co Cough Drop is ideally suited for use in boardrooms, broadcast, disc jockey, sports announcing and live entertainment applications where the need to easily and temporarily mute microphone output is required.

The Cough Drop enclosure is constructed of black painted 16 gauge steel side plates, black zinc-locked top and bottom plates and an extruded high tech polymer. All control and connector function graphics are identified on a textured polycarbonate overlay. The enclosure is provided with (2) non-conductive, anti-skid strips on the bottom of the unit.

CONTROLS

INPUT:

Female 3-pin XLR-type connector accepts input from any balanced or floating low impedance (150Ω nominal) microphone or similar signal source.

OUTPUT:

Male 3-pin XLR-type connector.

ACTIVATION SWITCH:

Momentary, single pole, single throw switch shorts pin 2 and pin 3 of the XLR connectors together to produce the muting effect.



COUGH DROP MOMENTARY MUTING SWITCH

ENGINEERING SPECIFICATIONS

The microphone signal muting unit shall be suitable for the noiseless momentary muting of any balanced or floating low impedance (150 ohm nominal) microphone or similar signal source. There shall be one (1) 3-pin female XLR-type connector for input from the source. There shall be one (1) 3-pin male XLR-type connector for the output. There shall be one (1) momentary push button switch suitable for either hand or foot operation. The switch shall be single pole, single throw, and used to activate the muting circuit. The circuit shall consist of one (1) 100 micro farad, 63Vdc, electrolytic capacitor, and one (1) 47K ohm ^o watt resistor. When engaged, the circuit shall effectively short pin 2 and pin 3 of the XLR connectors together to produce the muting effect. The electronic components shall be wired to provide adequate pop suppression and sufficient bypass impedance, to allow noiseless operation with no significant signal degradation.

The enclosure shall be constructed of black painted 16-gauge steel, black zinc locked 16-gauge steel, and an extruded high tech polymer. The control and connector functions shall be identified by a textured polycarbonate overlay. The enclosure shall be provided with two (2) nonconductive, anti-skid strips on the bottom of the unit. The dimensions of the unit shall be approximately 5-1/4" D by 3-1/2" W by 1-1/2" H at the front angling up to 2-1/4" H at the back of the unit (133mm D by 89mm W by 38mm/57mm H).

The microphone signal muting unit shall be a Pro Co Cough Drop.

