



The PRO 47T-PLUS includes the AT8614 cast metal base and 2 Lighted Rocker Switches. With its pre-wired cord it is perfect for those locations where some user control is required. The Amber switch is typically used to mute and un-mute the ceiling speaker and the Blue switch is typically used to mute and un-mute the microphone.

The PRO 47T is a wide-range condenser microphone with a cardioid (unidirectional) polar pattern. It was designed for high-quality sound reinforcement and other demanding sound pickup situations. Standing 12.40" above the mounting surface, its small-diameter alternating gooseneck design permits highly flexible positioning while maintaining a smooth, well-contoured appearance.

The PRO 47T features a 9.8' (3.0m) permanently-attached miniature cable with an XLM-type connector. The unit's integral electronics can be powered from any external 9V to 52V DC phantom power source.

The microphone element is enclosed in a rugged housing with low-reflectance black finish.

PRO 47T-PLUS Cardioid Condenser Gooseneck Microphone With Base and Lighted Control Switches

BENEFITS

- Wide-range condenser element with low-mass diaphragm for superior performance
- Self-contained electronics eliminate need for external power modules
- Flat, smooth frequency response
- Quiet, fixed-placement, long-life gooseneck
- Complete with pre-wired lighted control switches

Design Information

POLAR PATTERN Cardioid

FREQUENCY RESPONSE 70-16,000 Hz

IMPEDANCE 100 ohms

PHANTOM POWER REQUIREMENTS 9-52V DC, 2 mA typical

WEIGHT 2.2 oz (63 g)

DIMENSIONS 12.40" (315.0 mm) long,
0.47" (12.0 mm) head diameter

Architects' and Engineers' Specifications

The microphone shall be a wide-range condenser type with cardioid (unidirectional) polar pattern. The microphone shall include an integral 12 inch low noise goose neck, a 9.8' (3.0m) permanently-attached miniature cable, and operate on any external 9V to 52V DC phantom power source.. Two Lighted Rocker type switches shall be mounted in the base for remote control of system functions. The microphone element shall be enclosed in a rugged housing with low-reflectance black finish and mount to a 5/8" -27 threaded flange to mate with the threads of a standard microphone desk or floor stand.

The gooseneck microphone shall be Tech Works PRO 47T-PLUS with AT8614 cast metal base and Lighted Control Switches.

Tech Works™

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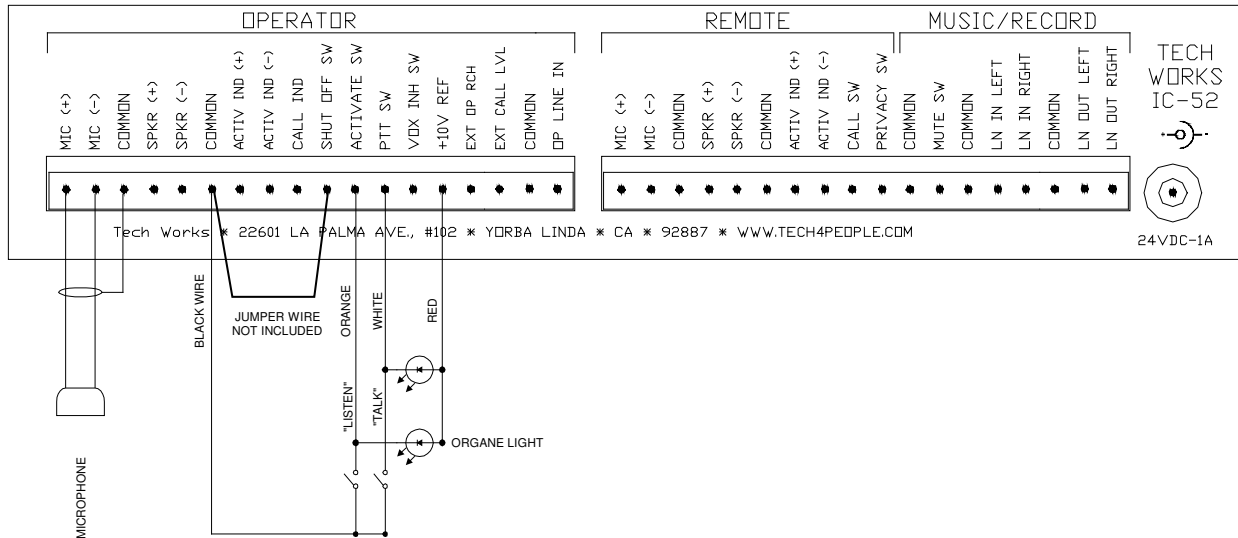
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Above is the typical wiring of the PRO-47T-PLUS microphone in a Cath Lab application. The Jumper wire from “Common” to “Shut Off” is not provided but recommended. This forces the system into the desired state by turning the switches to the proper position. For proper operation be sure to turn the “Vox” and “AntiVox” controls full counter clockwise or “Off”. If both microphone switches are “Off” then the lights are Off and the system is Off allowing Music and other functions to go on automatically. If the Orange switch is “On” the Speaker comes on allowing the Operator to “Listen” but not be heard. This does not Mute the Music if it is a part of the system. If the Blue switch is “On” the Microphone and the Speaker both come On and the Music is Muted. Upon turning the Blue switch to “Off” the Microphone is Muted and the Music comes back to full volume slowly.