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Sound Surveillance™

SM1-TRW Omni-directional Pre-amplified Microphone

Description

High performance, IP55 rated weather resistant Omni-directional, pre-amplified microphone for fixed location security applications where vandalism is of concern. Electret element is mounted in a special housing which is out of reach to objects inserted into the sound holes. 25' pickup pattern in all directions. Built in limiter circuit automatically lowers the output level during loud sound intervals. Hi cut and low cut filters significantly reduce background noise. Stainless steel plate mounts flush or on a single gang electrical box.

Connects directly to our switcher / mixer / amplifiers or use one of our many interface products to make fast and clean connections to DVRs or remote monitoring equipment.

Includes:

- SM1-TRW flush mount microphone.
- Sealing gasket
- Mounting screws.
- Warning label.
- Installation instructions.

Options:

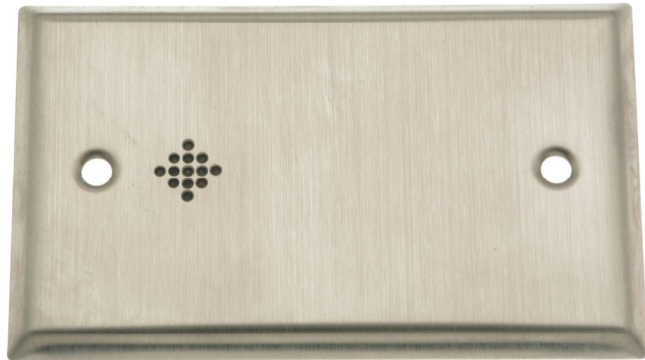
- See Pre-amplifier board selection guide for alternate pre-amplifier form factors.
- Add -LN to P/N for ultra low noise (80db) and high sensitivity (-28db) microphone capsule

Wiring requirements:

2 conductor shielded (with drain wire) 22 gauge stranded. Max cable length 1000'.

Caution

It is the responsibility of the installation company and end user to install this audio surveillance equipment in compliance with state and federal privacy laws. If you are unfamiliar with these laws, consult a qualified attorney.



SM1-TRW Specifications

- Omni-directional 25' pickup pattern.
- Low noise MOSFET pre-amplifier.
- 500Hz-16Khz Frequency response.
- Switch selectable hi-cut/low-cut filters limit frequency response to 900-6khz significantly reducing background noise.
- Switch selectable volume range:
"Line level" (0db) or
"Microphone level" (-30db)
- Adjustable gain in both volume ranges.
- 100 Ohm unbalanced output.
- Internal peak limiter circuit (.5 sec response)
- 3 position terminal block.
- PTTC fused and reverse polarity protected
- Power: 12 to 24VDC @ 10mA.
- On-board voltage regulator and RFI filtering.
- S/N ratio: more than 60DB
- Sensitivity -45DB
- Industrial temperature range -40 to 85C
- IP55 rated
- Internal .5" thick windscreen.
- Conformal coated circuit board.
- Stainless steel plate mounts flush or on a single gang electrical box.
- Dimensions: L 4.5" W 2.7" H 1.1"
- Weight .07lbs

Warranty

1 year parts and labor.

Made in USA