PRODUCT DESCRIPTION

The Qt 100 control module is a sound masking generator, controller and amplifier, with one auxiliary audio input to allow for distribution of audio from a paging controller or (background) music player. The Qt 100 control module is a compact one-zone controller suitable for installations of up to 12,000 square feet (1,115 m²). The masking level can be adjusted from the unit's front panel. Auxiliary audio level is set via the front panel.

FEATURES

- 1 zone, up to 120 emitters
- 1 audio input for paging or music
- Contact closure integrates with fire alarm systems
- Front panel control with LCD
- Surface mount only

TECHNICAL SPECIFICATIONS

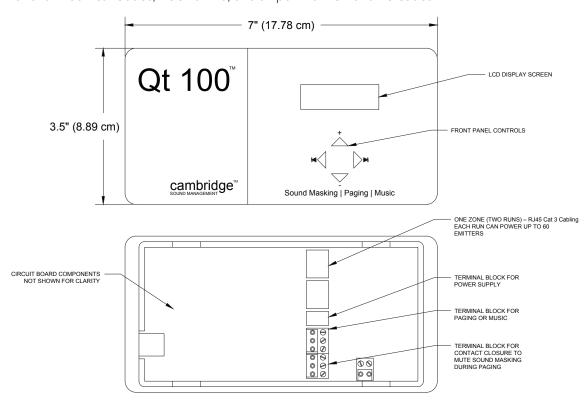|	
*Sound Masking Frequency Response:	200 Hz to 6,300 Hz
*Music / Paging Frequency Response:	200 Hz to 10,000 Hz
*Masking Min - Max SPL:	30 dBA to 60 dBA @ 1 meter distance
*Music / Paging Max SPL:	62 dBA @ 1 meter distance
User Adjustable Equalization:	None - Internally Fixed Masking Spectrum
Non Correlated Masking Sources:	4 Masking Sources
Number of Masking Zones:	1 Zone - (2 Cable Runs per Zone)
Number of Audio Inputs:	1 Audio Input - (Stereo or Mono)
Audio Input Level:	+4 dBu (2 Volts RMS Max)
Audio Input Impedance:	5K Ω
Audio Input Connector:	Captive Screw Terminal (Balanced / Unbalanced)
Emergency Mute Function:	Quantity 1 - Contact Closure (Normally Open)
Emergency Mute Connector:	Captive Screw Terminal
Minimum Output Impedance:	2 Ω per channel
Power Input:	Captive Screw Terminal & Coax Power Plug (center pin positive)
Output Connections:	RJ45 x Quantity 2 (8 Conductor)
Masking Level Adjustment:	Four Front Panel Buttons w/ LCD Display - 0.5 dB steps
Audio Input Level Adjustment:	Four Front Panel Buttons w/ LCD Display - 1 dB steps
Ethernet Connectivity:	None
Emitter / Device Capacity:	60 Qt Emitters or Room Controls per Run - 120 Total
Maximum Emitter Cabling Distance:	1000ft (300 meters) per cable run
Maximum Power Consumption:	7 Watts @ 24 VDC
Power Supply Operating Voltage:	Input: 100 - 240 VAC @ .6 Amp - Output:24 VDC @ 1.0 Amp
Included Accessories:	Power Supply (SKU# PS-4)/ ACT Hole Saw (SKU# HS-ACT)
Firmware Update:	Yes - Integrated USB Connector
Mounting:	Wall Mount - (Back plate included)
Color:	Grey / Blue
Dimensions:	7" x 3.5" x 0.875" (17.9 cm x 8.9 cm x 2.3 cm)
Weight:	6 oz. (170 g)

Specifications based on use of Qt Emitter array and based on published layout practices.

TECHNICAL SPECIFICATIONS (cont.)

Operating Temperature Range:	40°F to 90°F (4°C to 32°C)
Certifications:	FCC Part 15 RoHS Compliant CE US STD 60065 CAN/CSA STC C22 2 60065 ETL Listed Green Spec Listed
SKU#	Qt-100

ARCHITECTURAL SPECIFICATIONS

The controller shall consist of all electronics required for operating a sound masking system from a single accessible location. Systems with distributed electronic packages above ceilings are not acceptable. The controller shall provide one zones and shall be sufficient to generate sound masking, audio control and audio power for up to 12,000 square feet (1,115 m²) of coverage. Each audio output shall provide four uncorrelated channels of masking noise to minimize phase interference and hotspots. The complete system shall consume less than 7 watts of power. The unit shall meet all requirements of Underwriters Laboratories, the US and Canadian National Electrical Codes, FCC Part 15, and all pertinent UK and EU codes.

OPTIONAL ACCESSORIES

Hole Saw ACT	SKU# HS-ACT (Qty 1 Included)
Hole Saw Drywall	SKU# HS-DW
10' Plenum Rated Home Run Cable	SKU# CC-10 - (B=Black / W=White)
25' Plenum Rated Home Run Cable	SKU# CC-25 - (B=Black / W=White)
50' Plenum Rated Home Run Cable	SKU# CC-50 - (B=Black / W=White)
75' Plenum Rated Home Run Cable	SKU# CC-75 - (B=Black / W=White)
100' Plenum Rated Home Run Cable	SKU# CC-100 - (B=Black / W=White)
Room Control (White)	SKU# Qt-RC3
Qt-100 Power Supply	SKU# PS-4 (Qty 1 Included)
Adjustable White Qt Emitter 4 Pack with 4x 16 ft Plenum Rated Cables	SKU# E-A-W-16-4 (E-A-B-16-4 for Black)
Adjustable White Qt Emitter 4 Pack with 4x 30 ft Plenum Rated Cables	SKU# E-A-W-30-4 (E-A-B-30-4 for Black)

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