Qt 200™

Qt 200

AUDIO
A

RUN
1 2

POWER
24 VDC, 1.5 A

ZONE 2 1

UN-LOCKED
LOCKED

DO NOT CONNECT TO DATA SYSTEM.

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.
OPERATION IS SUBJECT TO THE FOLLOWING:
1. THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE.
2. THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED
INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

U. S. PATENT NO. 6,188,771, 6,88,948, 7,194,094
AND ADDITIONAL PATENTS PENDING.

Sound Masking | Paging | Music

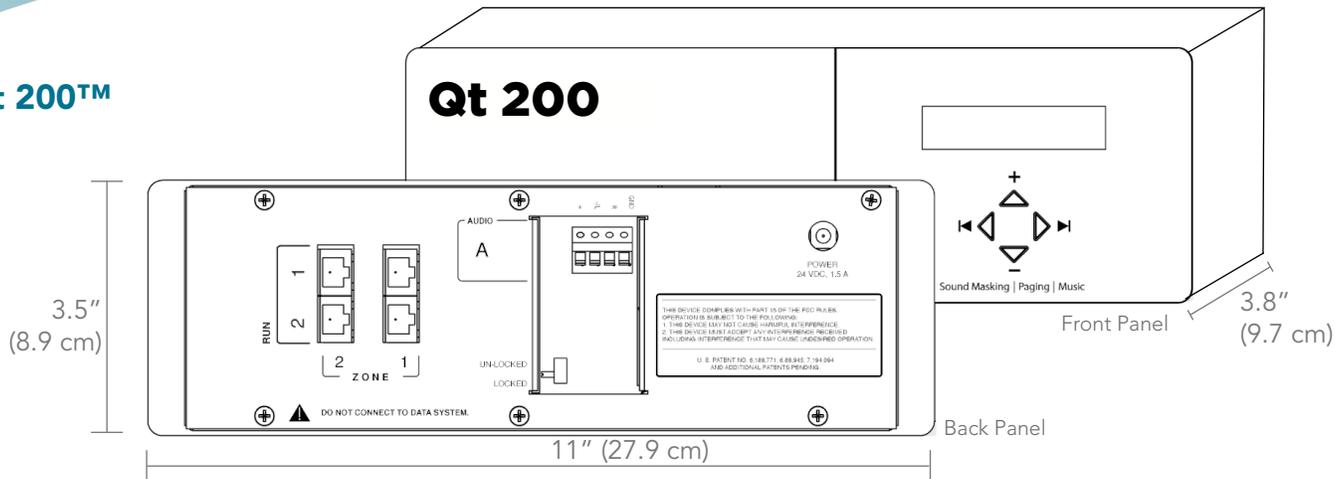Front Panel

Back Panel

3.5" (8.9 cm)

3.8" (9.7 cm)

11" (27.9 cm)

APPLICATION

The Qt 200 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 200 control module is a compact two-zone controller suitable for installations of up to 24,000 square feet (2,230 m²). Each zone can be independently adjusted for masking and auxiliary audio levels. Levels can be adjusted from the unit's front panel.

HOW TO SPECIFY

Module	Mounting Options
Qt 200	WM (Wall Mount)

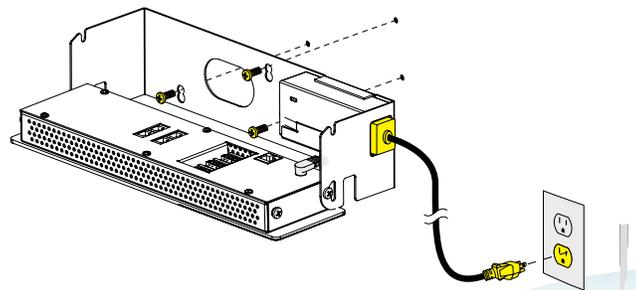| HRC*	Color	Cable Lengths May be specified
HRC	W (White)	50 ft (15.2 m)
	B (Black)	100 ft (30.5 m)
		C [Length] (made to order)

*HRC = Home Run Cable: the cable from the control module to the first emitter of a run; longer than the 16' (4.9 m) emitter to emitter cable.

Examples:
Qt 200-WM   A Qt 200 control module with wall mount bracket
HRC-W-100   A 100 ft (30.5 m) white CAT-3 cable with dual RJ-45 terminations
HRC-B-C62   A 62 ft (18.9 m) black CAT-3 cable with dual RJ-45 terminations, made to order

WALL MOUNT INSTALLATION

Wall mount bracket comes standard with controller. When wall mounted, the chassis flips down for easy access to all rear input connections.

TECHNICAL SPECIFICATIONS

Dimensions: W x H x D	11" x 3.5" x 3.8" (27.9 cm x 8.9 cm x 9.7 cm)
Weight	1.5 lbs (0.68 kg)
Operating Temperature Range	40°F - 90°F (4°C - 32°C)
Power Requirements	100 - 240 VAC, 24 watts
Zones	6
Emitter Run Connector Type	RJ-45 (Bent 3-tyne)
Aux. Audio Inputs	1 fixed terminal blocks
Aux. Audio Input Level	-10 dBV Nominal, 2 Vrms max
Emitter Capacity	60 per run, 120 per zone, 240 total
Max. Coverage Area (10' / 3m Ceiling)	24,000 ft^2 (2,230 m^2)
Masking Spectrum	Preset at factory to CSM standard spectrum.
Masking Channels	4 per zone
Security	"Hidden" front-panel lock switch

STANDARDS AND CERTIFICATIONS

ASTM E1130-08	✓
GreenSpec Listed	✓
FCC Part 15 Compliant	✓
RoHS Compliant	✓
CE	✓

Safety	- Conforms to:
	   - US STD 60065
	   - CAN/CSA STD
	     C22 2 60065
	 - ETL Listed

CABLE SPECIFICATIONS

Cables are plenum-rated, solid conductor 24AWG CAT-3, pre-terminated with bent 3-tyne (prong) contacts straddling each conductor in RJ-45 connectors. Cables are straight through and terminated in T568B wiring scheme. Cables are tested for continuity.

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 two zones and shall be sufficient to generate sound masking, audio control and audio power for up to 24,000 square feet (2,230 m^2) of coverage. Each audio output shall provide 4 incoherent channels of masking noise to minimize phase interference and hotspots. The complete system shall consume less than 8 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.

cambridge
SOUND MANAGEMENT