VRC2000 SITE CONTROL

PRODUCT OVERVIEW

You're here, the transmitter's way out there.

Keeping an eye on everything that's happening at your station a full-time job: talent, salespeople, billings, promotions, your overall sound, studio maintenance, whether your profitability is where it should be. With the hectic pace of the studio, you don't have a lot of time to think about your transmitter—so how do you know everything's working correctly out there?

The answer is Gentner's VRC2000 Remote Control. It not only monitors your transmitter, it can make changes for you automatically or at specific times of the day. If something goes wrong, it calls you or your technical staff to report the problem. The problem can often be fixed just by giving the VRC2000 a few simple commands—and the VRC2000 can fix many problems by itself. It's like having a person on duty at the transmitter 24 hours a day.

No dedicated studio unit required.

The VRC2000 was the first remote control system to give you access from virtually anywhere—your home, your office, a contract engineer's office in a different city, a restaurant, corporate headquarters or at the studio. You can call it from a telephone, use a PC with a modem or use a bidirectional audio link or radio link. The VRC2000 can respond either verbally, using a synthesized voice, or can give you conditions at a glance on a PC screen. You "talk" to the VRC2000 with the keypad on your telephone, or with your PC.

Secure Access.

With this flexibility of access, it's important to make sure that only authorized people can use the VRC2000. Three levels of success are permitted: inquiry only (checking conditions), changing transmitter conditions (correction of problems) and programming (VRC2000 setup). Many stations use all three levels: inquiry level for scheduled transmitter readings; correction of problems for the contract engineer; and programming level for the technical director. To gain access to the VRC2000, any user must enter a access code on their telephone keypad. If the code is entered incorrectly, the VRC2000 denies access. If the code is entered incorrectly three times, the VRC2000 calls you to advise of the unauthorized access attempt.

APPLICATIONS

Gentner's VRC2000 can provide complete transmitter remote control for AM or FM radio stations. It monitors conditions, makes power changes, and logs automatically. Television stations can use the VRC2000 to monitor critical portions of the transmitter and provide important troubleshooting information quickly. The VRC2000 can also be used in non-broadcast applications for translators, repeaters, microwave sites or test sites.

Join the 4,000+ satisfied VRC2000 users. Call Gentner or your equipment dealer today.

Gentner
800.945.7730
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SPECIFICATIONS

Physical dimensions (W/H/D)
19" x 1.75" x 10" (1 RU)
48.3cm x 4.75cm x 25cm

Power Requirements
117/234Vac, 50-60 Hz, 15W

Input/Output connectors
37D, male (interconnection cables available from Gentner)

Type of system
Microprocessor-based with real-time clock

Command Capability
32 outputs, configured in 16 channels with two outputs each

Open collector outputs, rated at 48Vdc, 250 mA

Metering Capability
16 channels, resolution of 1;1024, 4 digit, overall accuracy of +/-0.5%.

-5 to +5v, or 0 to +10Vdc range; current inputs can be accommodated.

Channels can be calibrated as linear, power, or indirect inputs.

Status Capability
16 TTL-compatible Status Channels

Interconnection Circuit
Standard toll-grade telephone circuit or dedicated two or four wire interconnection with toll grade performance.

FCC registered.

Automatic answering.

Subcarried or bidirectional audio link, or two-way radio link also possible.

Data Interface
RS232 serial communications port with internal modem, capable of 300, 1200 or 2400 bps.

Temperature range
0-50 degrees C

FUNCTIONAL DESCRIPTION

The VRC2000 Remote Control Unit features 16 single-ended analog input channels for use in metering, 16 TTL-compatible input channels for use as status monitors, and 32 open collector transistor outputs for use as remote "switches" to generate control commands. The 32 outputs are configured as 16 separate command channels, with 2 outputs per channel.

The unit provides four tolerance limits on each Metering channel, two upper and two lower limits. The user can program the VRC2000 to provide different responses on the primary and secondary tolerance levels, such as attempting correction on the first level but placing and alarm telephone call on the second.

Alarms can be addressed to different telephone numbers. Voice or data modes can be used for alarm reporting, and the unit can be set up to simply report the problem or accept corrective action. User-defined security codes provide three levels of access to the unit.

User setup information is entered into the VRC2000 through a series of DTMF tones. A PC program, Setup VRC, is supplied with the VRC2000 to facilitate setup and speed programming time. The Setup VRC program can also be used as a terminal emulation program for monitor and control via PC. All setup information is saved in battery-backed up RAM so that information is retained even if the unit loses power.

Automatically initiated commands can be established to occur from any of three sources: any status channel condition, any metering channel tolerance limit being exceeded, and up to 64 real-time initiated functions.

Send this document to any fax machine with Gentner's Fax-On-Demand: 800.695.8110 Doc. #5001

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