

# NRC1 / NRC2 Remote Control and Monitoring System

FEATURES/SPECIFICATIONS

Issue 2.0

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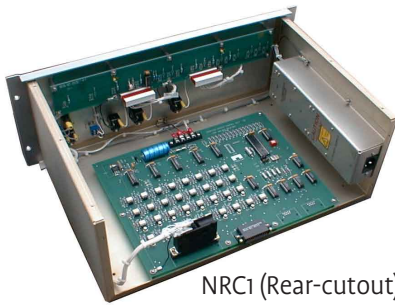
## Introduction

Nautel Beacon Remote Controller and Computer Remote Control Model NRC2 are specifically designed to be used with Nautel's radio beacon family.

Nautel Beacon Remote Controller NRC1 enables the operator to both control the beacon transmitter and receive reverted feedback on the status of the transmitter. A computer with a modem may be used in place of the NRC1.



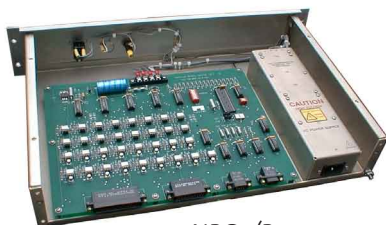
NRC1 (Front)



NRC1 (Rear-cutout)



NRC2 (Front)



NRC2 (Rear-cutout)

## General Specifications

### Environmental Conditions

Temperature:

Operating: 0°C to +55°C

Storage: 55°C to +70°C

Relative Humidity: 0 - 95%

## NRC1 Specifications

### Communications

RS-232 (with optional internal Modem) &

RS-422 DTE at 300 baud

7 Data Bits, Space Parity

1 Stop bit, CTS/RTS Handshaking

### Control Functions

XMTR ON/OFF

Press to Talk Enable/Disable

Main Transmitter:

Select A/B or Standby

Test Enable/Disable

Update

### Status Indications

XMTR ON

Press to Talk Enabled

Shutdown, Standby, SWR and

Battery/Low AC Alarm

### Power Supply

115 V, 60 Hz OR

230 V, 50 Hz

### Dimensions

17.8 cm H x 48.3 cm W x 29.2 cm D

(7" H x 19" W x 11.5" D)

## NRC2 Specifications

### Microcontroller

INTEL 8751 or equivalent

### Communications

RS-232 (with optional internal Modem) & RS-422 DTE at 300 baud. Note: Other baud rates available upon request.

7 Data Bits, Space Parity

1 Stop bit, CTS/RTS Handshaking

### Control Points (Outputs)

16 optically isolated outputs

Active (Low) Vce = 0.5 at 2 ma

(+30 V dc max.)

Inactive (High) = Open Collector

### Status Points (Inputs)

16 optically isolated inputs

Active (Low) = Ground

Inactive (High) = Open Circuit

### Power Supply

DC supplied from beacon transmitter

### Dimensions

8.9 cm H x 48.3 cm W x 29.2 cm D

(3.5" H x 19" W x 11.5" D)

Rack mounted

*Specifications established at rated power unless otherwise noted. All measurements at 50 ohms resistive load; ac input voltage at nominal level. Specifications subject to change without notice.*

