

North Atlantic 8800 Specifications

Resolution: 0.001° (0.005° with ±179.995° option)

Input Channels: 2

Signal Inputs: Synchro or Resolver, 11.8, 26, or 90 VL-L auto-ranging *

*(Non-standard input levels available; consult factory)

Accuracy: ±0.004° (standard), ±0.010° (with ±179.995° option), (includes errors from all sources)

Frequency Range: 360-1200 Hz or 47-440 Hz, 360-10kHz *(consult factory)

Angular Range: 0.000°-359.999° or ±179.995°

Reference Voltage: 3 V to 115 V (AGC)

Input Impedance: *Signal:* 1 M min., *Reference:* 100 k min.

Tracking Speed: 200°/s (standard), 1000°/s (with ±179.995° option), 75°/s (with 47-440 Hz option)

Settling Time: 1.5 s max. for 180° step change, 400 ms max. (with ±179.995° option), 3.0 s max. (with 47-440 Hz option)

Digital Output: 6 decade BCD (1-2-4-8)

Auto Phase Correction: Unit automatically corrects for up to a 30° phase shift between stator and rotor signals.

Converter Busy: TTL compatible pulses, 1 s wide nom. Pulses present when tracking.

Temperature Range: 0-70°C operating (standard)

Input Power: 115/230 Vrms ±10% or 125/250 Vrms ±10% 47-440 Hz; 25 VA max.

Mating Connector: P/N 783718, included with 8800

Weight: 6 lbs.

Dimensions: 12.5" L x 9.5" W x 1.75" H

PROGRAMMING SPECIFICATIONS

Line-to-Line: The 8800 senses line-to-line level automatically and indicates the level selected on the front panel Mounted LED's.

Mode: The 8800 channels may be remotely programmed as follows:

Channel 1: 0v or Ground

Channel 2: +5V or Open

Channel Selection: The front panel buttons allow the selection of Channel 1 or Channel 2 on the 8800.

PART NUMBER DESIGNATION: 8800 F

Option Display & Frequency:

1 -- 0.000° 359.999° 360 1200 Hz *

2 -- 0.000° 359.999° 47 440 Hz

3 -- ±179.995° 360 1200 Hz *

4 -- ±179.995° 47 440 Hz

* consult factory for operation to 10 KHz