

CWID-1 Repeater/Beacon Controller

FEATURES:

Adds controlling and identification functions to a basic repeater system

Can control an amateur radio beacon using either AM, FM, SSB or CW modes

Easy to connect to virtually any repeater system

Supplied pre-programmed or can be field programmed with a PC and the optional CWID-PROG programmer

The Guardian CWID-1 Repeater/Beacon Controller is a small (5cm x 4cm) yet powerful microprocessor controlled unit suitable for use either as a Repeater or a Beacon controller. All functions of the controller are set up using a special programming box (CWID-PROG) and a PC running a Windows programme. The unit is supplied pre-programmed to the customers requirements.

Repeater Mode

When used in the Repeater mode the CWID-1 can transmit an ident of up to 48 characters at a speed of between 5 and 30 wpm.

The time between idents can be programmed to be from 10 seconds to 30 minutes in 10 second increments and the ident can be programmed to be suppressed when the repeater is idle.

An anti-kerchunk timer is built into the software as is a time out timer and a hold (tail) timer. A courtesy tone (Roger Beep) is available as an option.

Beacon Mode

When used in the Beacon mode the CWID-1 can transmit an ident of up to 48 characters at a speed of between 5 and 30 wpm and can be programmed to give a continuous tone/carrier between idents if required.

SPECIFICATIONS

General

Operating power: 8 to 24 VDC nominal, 10 mA maximum.
Outputs available: PTT (o/c active low), Transmit Keyed Audio and Transmit Keyed DC output (o/c active low)
Inputs to unit: Carrier Detect (Squelch Line - programmable active high or low), Reset
Programming: Using special CWID-PROG unit and a PC.
CW Ident length: Maximum 48 characters (A..Z 0..9 , . / ? < > - = Space)
CW Ident speed: 5 to 30 wpm in 1 wpm steps repeated every 10 to 1800 seconds (30 min) in 10 second steps

Repeater Mode

Transmit time out: 1 to 10 minutes in 1 minute steps with "Roger Beep" and/or Ident on idle if required.
Hold (Tail) time: 0 to 6 seconds in 100 millisecond steps

Beacon Mode

Ident timing: 5 to 30 wpm in 1 wpm steps repeated every 10 to 1800 seconds (30 min) in 10 sec steps
Tone/carrier between idents if required

Specifications subject to change without notification

CWID1-05/04



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