

# Eclipse Series

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## Heart Beat Timer

**Part Number (30/9152/0001)**

This manual is produced by RF Technology Pty Ltd  
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## Description

The Heart Beat Timer (HBT) provides a way to remotely key up a transmitter/ repeater at regular intervals for a short period. The interval between transmissions and the transmission time are adjustable.

This is provided for applications that use voting portables and mobiles that vote on signal strength received.

## Operation

The Heart Beat Timer (HBT) is designed for mounting on the rear panel of the standard Eclipse rack frame. A mounting kit (screws, spacers, washers and nuts) is provided.



J1 connect to +12V  
J3 connect to GND

Jumper link JP2 (pins 1-2 for normal operation),  
(pins 2-3 for short test periods)

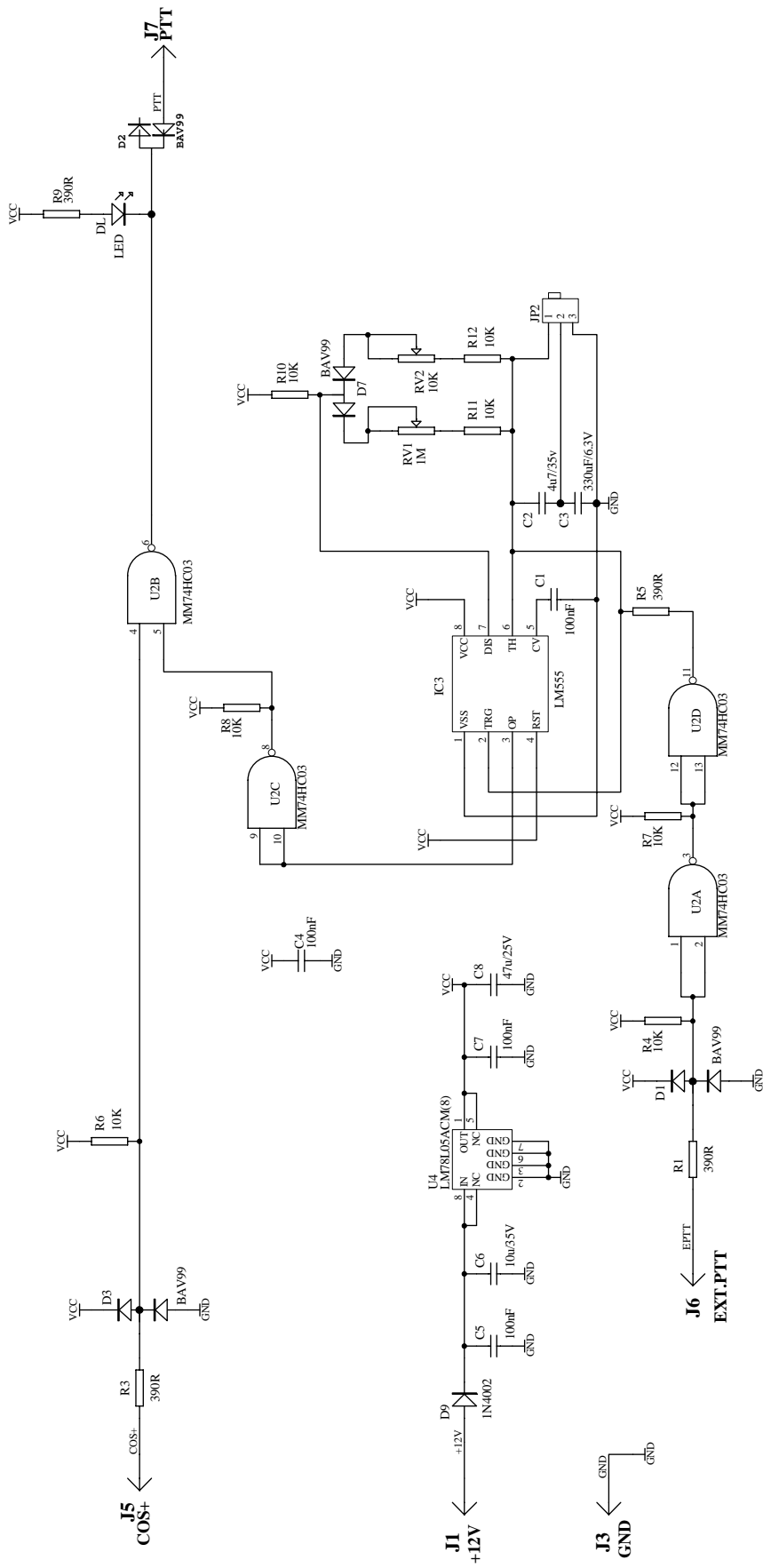
RV1 adjusts the time interval (10 seconds to 5 mins)  
RV2 adjusts the transmission time (3 to 10 seconds)

DL RED LED displays the transmitter ON time

J7 PTT output connect to transmitter PTT  
This pin may be disconnected to disable the HBT  
without keying the transmitter

J6 EXT PTT input will reset the LM555 timer if/ while  
the voltage is lower than 0.8V

J5 COS+ input will interrupt the PTT output if/ while  
the voltage is lower than 0.8V



Rev.No.	ECO No.	Description of Change
3	237	R2 change to D2, D6 removed, r12 changed to 10k
2	116	C3 revised, footprints for D1, D3, D7 fixed, fonts changed to 12pt - PCB files updated
Description of Change		

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