

Specifications

Operating Voltage	3.5 to 6VDC
Battery Type	CR2032 Lithium x 2 (6VDC)
Current Consumption	Standby = < 2uA Standby (Mem LED) = 1.5mA Alarm transmission = ~ 40mA
Low Battery	4.5V
Battery Life	> 2 Years
Low Battery transmission	2 second one shot signal
Physical Dimensions	90mm(L) x 70mm(W) x 34mm (D)
RF signal	Keeloq™ code hopping 433.92Mhz 4.2 billion combinations

Warranty

Circuit Level Electronics (Aust) Pty Ltd warrants this product to be free from defects in materials and workmanship for a period of **3 Years** from date of purchase. We will in the event of failure repair or replace the product at our sole discretion. This warranty does not apply in the event of accidental damage, abuse, misuse, non approved purpose or act of God. This warranty is given in addition to any rights allowed by New South Wales law.

Made in Australia by
Circuit Level Electronics (Aust) Pty Ltd
ABN 51 074 517 570



Circuit Level Electronics reserves the right to change specifications without notice in the interest of product development.

HCT-1D Fixed Location Wireless Duress Transmitter



This product is powered by Lithium coin cell batteries. Swallowing can lead to chemical burns, perforation of soft tissue, and death. Severe burns can occur within 2 hours of ingestion. Seek medical attention immediately or **Dial 000.**



- Both buttons must be pressed to activate
- Alarm Memory LED
- Selectable Alarm and Low battery Channel
- Local and transmitted Low Battery condition
- Long battery life (Lithium cells)
- Compatible with Bosch™ coded receivers



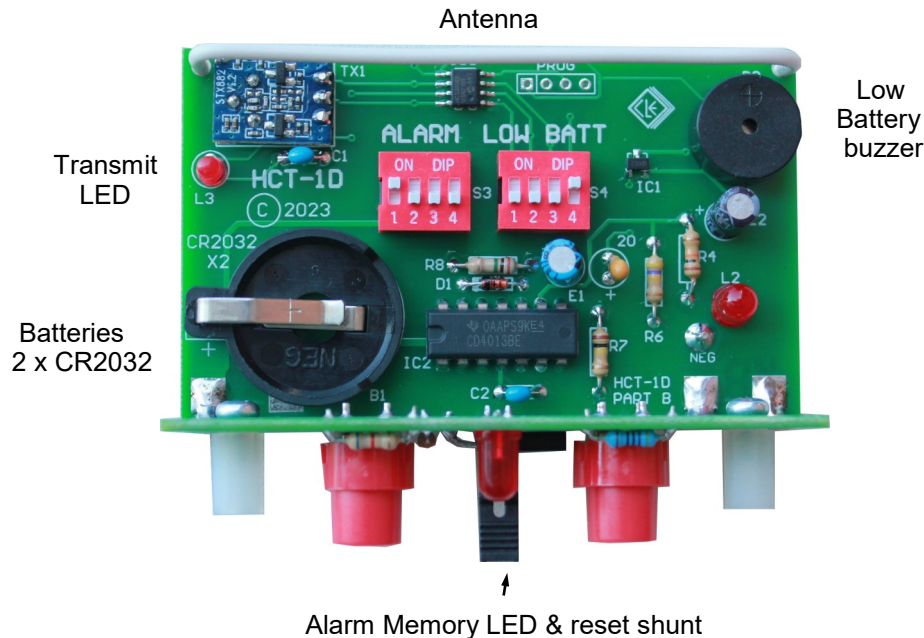
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Overview

The HCT-1D is a wireless transmitter operating on 433.92Mhz that has been specifically designed to be used as an “under counter” hold up/duress button. In line with current market requirements the unit is operated by pressing BOTH buttons to signal an alarm condition. The HCT-1D transmitter can be learned to the following receivers. HCR-1D, HCR-2M, HCR-1, HCR-15, HCR-100, HCR-624, WE800EV2 and RE005EV2 .

PCB Layout



Installation

The HCT-1D is housed in an ABS plastic bulkhead enclosure that is identical to those of many of our receivers. It is secured under a bench, counter etc via two screws. The unit should be installed so that the buttons cannot be easily bumped but easily pressed if necessary. It is not recommended to install on a metallic surface. If this is unavoidable a spacer made of plastic or other insulating material should be used for reliable operation. Before mounting the case in position the unit should be set up.

Set Up

1. Install the receiver if not already in place, and power up.
2. Remove the base plate from the HCT-1D to allow access.
3. Using the 2 Four way DIPSWITCH select the channels that you want to send to the receiver for ALARM and LOW BATTERY. To transmit CH5 to a HCR-624 receiver set switches 1 + 2 ON. For CH6 set switches 3 + 4 ON.
The unit features a local Low Battery indication which is a beeping sound, and the unit will transmit a signal to the receiver ONCE (one shot) upon first detecting a low battery condition. (4.5V) The local low battery beeper will continue to sound until new batteries are installed or the unit ceases to function. If a spare channel is not available on the receiver either add an additional receiver or leave all the dipswitches OFF for LOW BATT and rely on the local indication.
4. Fit the TWO (2) CR2032 batteries on top of each other with the positive (+) side facing upward. A screwdriver will be needed to insert the 2nd battery. **Note:** When the first battery is installed the unit may sound LOW BATTERY. This will cease once the second battery is installed. **Take care to install the batteries correctly as there is no protection for reverse polarity and the HCT-1D may be damaged.**
5. Make sure the RESET shunt is in place on the TWO pins if you want the Memory LED. If not it may be left OFF.
6. Press BOTH buttons simultaneously. The HCT-1D transmits an alarm signal on the channel selected and the ALARM MEMORY LED will commence flashing. To stop the LED flashing remove then re-install the RESET shunt. **Note:** The memory LED will continue to flash until the batteries are exhausted if it is not reset.
7. If all is functioning as required the unit may now have its base plate refitted and the case secured in place.
8. It is important to test this product at regular intervals.