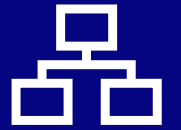
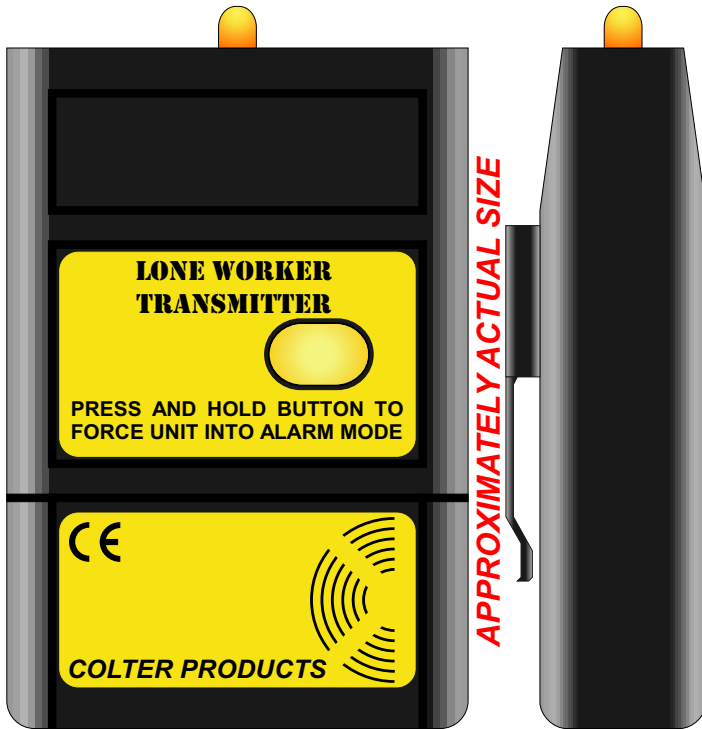


# R-IDENT

## LONE WORKER UNIT: TX-LW



COLTER GROUP  
06/07/2005 Ver 1.4



### INTRODUCTION:

The lone worker product TX-LW available from Colter builds on the established standard product range that is **R-IDENT**. The low power radio tagging technology that has proven it's self for personnel and asset tagging is available as a transmitter, TX-LW, specifically for lone worker requirements.

- Provides ability to monitor lone workers.
- Low cost of ownership.
- When used with R-IDENT system may contact a remote person(s) via SMS message.
- The worker can call help using lone worker transmitter
- Bleeper, vibrating alert and high intensity LED for alerting worker to press button, and for locating a worker in an alarm condition.

### DETAILED DESCRIPTION:

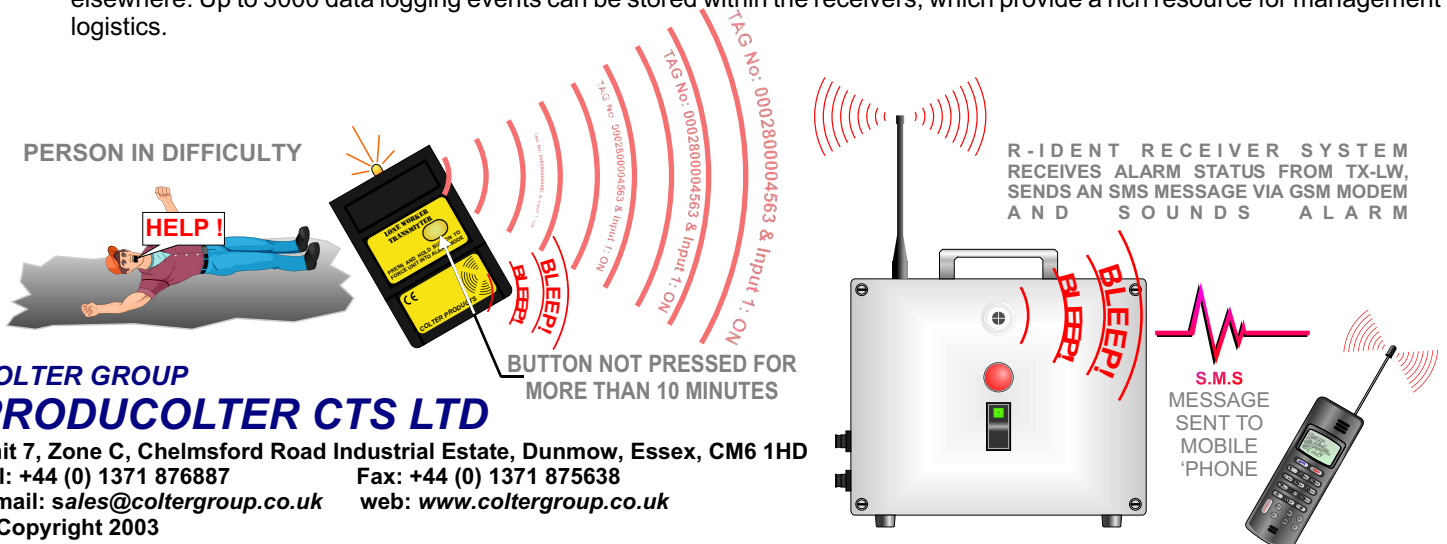
The TX-LW is placed in a 'docking' holder when not in use, this disables the TX-LW. When the lone worker **R-IDENT** transmitter is removed from it's holder it is activated and beeps twice to confirm to the user that it is functioning, and can also alert a remote person that a worker has started work. The TX-LW will then begin transmitting 3 times per minute with its unique tag ID, it's user status and it's battery status.



The user is required to press the button on the unit periodically to confirm that he / she is OK. If 5 minutes has elapsed since the last press of the button then the unit will begin to beep. This beeping will continue on an increasing basis for 5 minutes. If the button still is not pressed after a total time of 10 minutes then the transmitter will go into alarm mode and begin transmitting a distress signal once a second. This alarm condition can only be cancelled by replacing the unit in its 'docking' holder. The operator can force the unit into the alarm condition and

therefore call for help by holding down the button for more than 8 seconds. The unit will beep once a second when in alarm mode and a high brightness LED also illuminates when the bleeper sounds.

The most likely **R-IDENT** receivers to use with this tag are RX4 or RX6 types which have an internal database; or the ready boxed solution the RX6-RB; which contains an RX6 receiver. The internal database and configurable event handling allows these receivers to monitor up to 100 transmitters and raise an alarm if an event occurs. This alarm can include a local siren and light on the receiver box to attract attention and it can also send up to 3 text messages detailing the alarm and tag number that caused it along with the named location of the receiver. If the RX6 is used then additionally the receiver offers data logging, so that events such as when a worker enabled / picked up his TX-LW and when he disabled it, when an alarm condition occurred. All these events are logged internally against date and time in the receiver. As the receiver would probably have a GSM modem connected so that it can send out text messages, the receiver can also be configured and monitored via a computer located elsewhere. Up to 3000 data logging events can be stored within the receivers, which provide a rich resource for management logistics.



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