

# LogTag®

## Protective Enclosure

(part# 200-00020)

### User Instructions



#### Introduction

The *LogTag® Protective Enclosure* is specifically designed for LogTag® recorder products to allow use in harsh environments.

The design of the enclosure minimises the effects of thermal lag caused by the additional casing. In general, the enclosure adds about 70% to the reaction time to temperature change for a given environment.

#### Specifications

**Environment :** Rated to IP67 (1 meter (3ft) immersion for 30 minutes in fresh water) equivalent to NEMA6 for temperatures 1~40°C

**Operating Temperature Range :** -40°C ~ +85°C

**Chemical resistance :** In general the polycarbonate material can withstand alcohols and diluted acids well. Problems can occur with hydrocarbons, phenols, esters, ketones and alkalis especially at elevated temperatures.

#### Products supported

TRID30-7x, TRIX-8/16, SRIC-4, TRIL-8/SRIL-8, PTID30-7x, VaxTag, USRIC-x, UTRIX-xx, UTRID-xx, TIC20

#### Opening the case

Unclick the two retaining clips and open the enclosure.

#### Placing the recorder in the case

Recorders are placed inside the enclosure with the lug hole of the recorder fitting over the location peg feature inside the enclosure.

#### Closing case

Close the enclosure and lock both the retaining clips into place.

#### Seal maintenance

The enclosure employs a custom molded high performance silicon seal that sits in a slot in the bottom half of the enclosure.

For optimum performance and to maintain rated resistance to liquid ingress this seal must be kept clean of dirt and debris.

#### Immersion applications

The enclosure is rated ex factory to IP67 however after many times of use it may no longer meet this rating due to issues such as dirt/debris on seal.

For applications where immersion is likely it is advised that in addition to seal maintenance that a periodic immersion test is performed to verify protective enclosure integrity.