



▶ Auto-Warning Telltale

Single Height Version – Model TTAW1



Introduction

Golder RMT's intrinsically safe Auto-Warning Telltale has been designed to provide a highly visible immediate warning of excessive movement occurring in a rockbolted tunnel or mine roadway, over and above that provided by the coloured bands on a standard telltale. This can be of particular value in dynamic mining situations, such as pillar extraction operations, where the workmen and equipment are operating close to a developing goaf.

Production Description

The Auto-Warning Telltale is based on a single height version of Golder RMT's standard TTW01S water diverting rockbolting telltale. It has four bright Light Emitting Diodes fitted to the underside of the drip tray. The LEDs are configured to begin to flash if the movement on the visual indicator shows total roof dilation exceeding 5mm (or other factory set trigger value). The LEDs will continue to flash whilst the indicator shows more than the trigger level, until the battery is exhausted (at least 3 days). However the LED will stop flashing if the indicator movement reduces back to below the trigger level. This ensures that it is not inadvertently triggered during transportation, installation or cleaning.

The Auto-Warning Telltale does not consume any power prior to being triggered and so can remain in storage or in a quiescent state in the roof for several years before operation of the LEDs. The configuration also allows the condition of the unit to be checked easily once installed, by manually pushing the indicator upwards to temporarily trigger the LED.

Safety

The Auto-Warning Telltale has been designed and approved to be intrinsically safe to both IECEx and ATEX standards.

- ▶ Certificate No: IECEx SIR 10.0034X SIRA 10ATEX2065X
- ▶ Certificate Code: Ex ia I Ma (-20°C ≤ Ta ≤ +40°C)



close up of the information plate

The trigger level is factory set but can be locally adjusted by the user. Alternative trigger levels (other than the standard 5mm) can be factory set on request at the time of order. Golder RMT cannot guarantee that any particular trigger level is appropriate for particular roof conditions and mining operations.

