

# Delayed Exit Magnetic Lock (ADX100) Installation Guide

**Securefast plc**

## 1. Overview

The Delayed Exit Magnetic Lock works like a normal magnetic lock in that it holds the door closed when powered up and releases the door when powered down. In addition though, it can be connected to a request-to-exit (RTE) button which when pressed, signals the lock that someone wants to unlock the door. Instead of releasing the door immediately, it sounds an alarm for a configurable time delay (2 - 90 seconds) and then releases the door. The alarm continues until it is cancelled by operating the built in key switch or else it times out 2 minutes after the RTE button was pressed. At this point the the lock energises again.

## 2. Connections

| Wire Colour | Connection |
|-------------|------------|
| RED         | +12V DC    |
| BLACK       | GND (0V)   |
| PURPLE      | RTE        |

NB If the control wires are required to be accessed from the opposite side of the housing, poke the 3 wires back into their hole and out of the hole on the other side.

A "normally open" push button should be connected between GND and RTE. When the button is pushed, the RTE input will be grounded signalling that the alarm sequence should commence.

## 3. Setting the Exit Delay

The exit delay control is positioned behind a small hole in the housing on the same side as the face of the magnetic lock. To set the delay insert a small flat-bladed screwdriver into the hole. To increase the delay, use the screwdriver to gently turn the dial to the right (clockwise) up to a maximum of 90 seconds. To decrease the delay, use the screwdriver to gently turn the dial to the left (anticlockwise) down to a minimum of 2 seconds.

## 4. Key Switch

The key switch is used to enable or disable the RTE input or to cancel an active alarm. Turning the key to the left (anticlockwise) enables the RTE input. Turning the key to the right (clockwise) cancels any active alarm, energises the lock and gives 3 short beeps on the sounder. If the key is left in this position the lock will stay energised regardless of any RTE signal. Only a loss of power will deenergise the lock.

Having cancelled an alarm, turn the key left again to enable the RTE input for the next operation.