



DIGIAIR UDL

INTRODUCTION

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DigiAir is an advanced digital communication device for secure alarm reporting to an Alarm Receiving Centre (ARC) utilising the Gemini Platform. Its compact design is ideal for situations where there is limited space within the control equipment and simple, fast installation is required.

Using either 'Dial Capture' or PIN triggering, DigiAir can be connected to a large range of alarm control panels or other control equipment to provide signalling in Fast Format, Contact ID or SIA for many types of applications including security systems installed to EN-50136 SP2 and PD6662:2017.

DigiAir is supplied with a WorldSIM and transmits alarm signals via the Gemini Platform to an ARC via any radio path. DigiAir monitors its radio communication path continuously and reports faults to the control panel via a relay output. In addition, Gemini continuously monitors the polling calls from the DigiAir to detect and report to the ARC total path or equipment failure in accordance with European requirements for Alarm Transmission Systems (ATS).

When a message is initiated by the changing voltage situations on DigiAir's input terminals, or the Dial Capture connection, the DigiAir will establish a communication to the receiving equipment. Successful communication will be indicated to the DigiAir by an encrypted acknowledgement signal from the receiving equipment, which will result in call completion and the return of the DigiAir to its quiescent condition. Where the correct encrypted acknowledgement signal is not received from the receiving equipment then the DigiAir will repeat the call process for a pre-set number of attempts or until the call is successfully passed to the receiving equipment. If the message cannot be successfully passed, then upon request the fault output may be programmed to operate.