



# TX7214

## Addressable Broadcast Control Module

### Overview

The TX7214 Addressable Broadcast Control Module is a part of TNA voice alarm system work as a switching module to control the emergency signal. The unit according to the pre-configured interface module command fire scenario, the alarm controller send out start command to the equipment required to start. After receiving the command, module enables its relay to change state. Once the module is under control and operated a confirmation signal will be sending back to the alarm controller. In addition, the unit incorporates an intelligent processor that provides automatic monitoring for both open and short circuit of the output signal line.

The unit manufactured base on the requirement of EN 54 part 18, European Standard. The unit is aesthetically pleasing with unobtrusive design that will complement modern building designs and its plug-in type assemblies make installation and maintenance more convenient to the installer. The unit is compatible to the TX7008 Analogue Intelligent Fire Alarm Control Panel, produced by single manufacture T&A, to avoid addressable communication compatibility problem.

### Features and Benefits

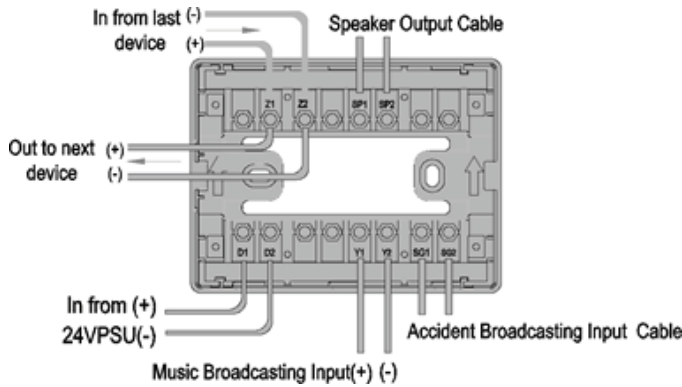
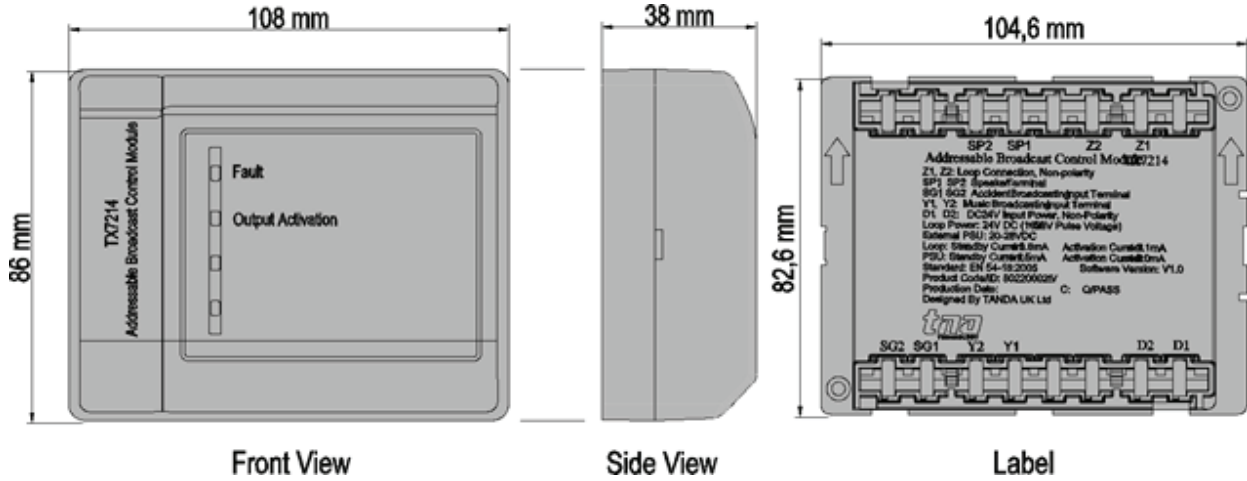
- EN54-18 Compliance
- Built-in MCU processor and digital addressing
- 24VDC/2A Output relay contact and Control module
- Input Fire or Supervisory signal configuration
- LED status indicator
- Onsite Adjustable Parameter
- Loop or external power input
- Aesthetically pleasing design
- Surface mounting with fix base for simple installation

### Technical Specification

Compliance	EN 54-18:2005
Power Rating	
Input Voltage	Loop Power:24VDC [16V to 28V] External PSU: 20 to 28VDC
Current Consumption Loop	Standby 0.6mA, Alarm: 2.1mA External PSU: Standby 1.5mA, Alarm: 9.0mA
Control output voltage	24VDC / 2A rating
Input Relay	Normally Open dry contact
Protocol/ Addressing	T&A, Value range from 1 to 254
Indicator Status	Normal: Fault blink/Active:Output Activation Steady /Fault: Fault Steady

Material / Colour	ABS / White Glossy finishing
Dimension / LWH	108 mm x 86 mm x38 mm
Weight	160g (with Base), 89g (without Base)
Operating Temperature	-10°C to +50°C
Ingress Protection Rating	IP30
Humidity	0 to 95% Relative Humidity, Non condensing

Module and Wiring Details



Terminal Description

- Z1 Signal In (+)
- Z1 Signal Out (+)
- Z2 Signal In (-) Z2 Signal Out (-)
- SP1 Speaker Output Cable
- SP2 Speaker Output Cable
- D1 External Power Supply In (+)
- D2 External Power Supply In (-)
- Y1 Music Broadcasting Input (+)
- Y2 Music Broadcasting Input (-)
- SG1 Accident Broadcasting Input Cable
- SG2 Accident Broadcasting Input Cable