



TX7214

Addressable Broadcast Control Module

# Feature 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

## Overview

The TX7214 Addressable Broadcast Control Module is characterized as one output volt free relay and control module. The unit is normally used for overriding equipment such as lift return, door holder, smoke extract fans, air handling unit, auto dialler to fire brigade, BMS and etc. 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 assembles 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.





#### Technical Specification

Compliance EN54-18:2005/AC2007

Input Voltage Loop Power:24VDC [16V to 28V] External PSU: 20 to 28VDC

Current Consumption Loop: Standby O. 6mA, Alarm: 2.1mA

External PSU: Standby 1.5mA, Alarm: 9.0mA

24VDC / 2A rating Control output voltage

Normally Open dry contact Input Relay

24VDC / 2A rating Protocol/Addressing

T&A, Value range from 1 to 254 Indicator Status

Normal: Fault blink/Active:Output Activation Steady

In from last (-)

device

(-) =

In from (+)

24VPSU(-)

Out to next (+) device

Speaker Output Cable

Accident Broadcasting Input Cable

/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)

-10 ° C to +50 ° C Operating Temperature

Ingress Protection Rating **IP30** 

Humidity 0 to 95% Relative Humidity, Non condensing

## Installation and Wiring

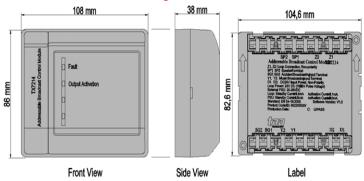


Figure 1: Addressable Broadcast Control Module Structure

Z1 Signal Out (+)

Z2 Signal In (-)

Z2 Signal Out (-)

Terminal

Description

Z1 Signal In (+)

SP1 Speaker Output Cable

SP2 Speaker Output Cable

D1 External Power Supply In (+)

D2 External Power Supply In (-)

YI Music Broadcasting Input (+)

Y2 Music Broadcasting Input (-)

SG1 Accident Broadcasting Input Cable

SG2 Accident Broadcasting Input Cable



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Music Broadcasting Input(+) (-)

Figure 2:Wiring Details

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