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TX7210

Addressable Single I/O Module

LPCB CE

EN54-18
1330e/01

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 TX7210 Addressable Single Input/output Module is characterized as one input or 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 has built-in feedback signal feature, 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, output 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 input 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 TX7004 Analogue Intelligent Fire Alarm Control Panel, produced by single manufacture T&A, to avoid addressable communication compatibility problem.

Technical Specification

Listed	LPCB / CE-CPR
Compliance	EN54-18:2005/AC2007
Input Voltage	Loop Power:24VDC [16V to 28V]
	External PSU: 20 to 28VDC
Current Consumption	Loop: Standby 0.6mA, Alarm: 1.6mA
	External PSU: Standby 0.6mA, Alarm: 45mA
Control output voltage	24VDC / 2A rating
Input Relay	Normally Open dry contact
Input Resistance	5.1Kohms/ ¼ W
Protocol/Addressing	T&A, Value range from 1 to 254
Indicator Status	Normal: Single blink/Active: Steady/Fault: Double Blink
Material / Colour	ABS / White Glossy finishing
Dimension / LWH	108 mm x 86 mm x38 mm
Weight	170g (with Base), 92g (without Base)
Operating Temperature	-10°C to +50°C
Ingress Protection Rating	IP30
Humidity	0 to 95% Relative Humidity, Non condensing

Installation and Wiring
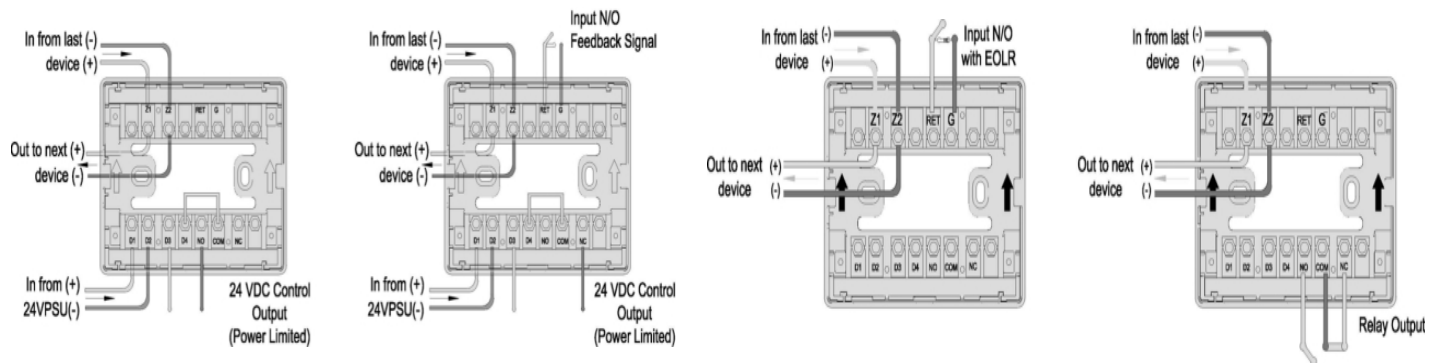
Terminal Description

Z1 Signal In (+)	D3 External Power Supply Out (+)
Z1 Signal Out (+)	D4 External Power Supply Out (-)
Z2 Signal In (-)	COM Output Cable
Z2 Signal Out (-)	NO, NC Output Cable
RET Input Cable	
G Input Cable	
D1 External Power Supply In (+)	
D2 External Power Supply In (-)	

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