

Feature and Benefits

- EN54-18 Compliance
- Built-in MCU processor and digital addressing
- 12 circuits Input Fire or Supervisory signal configuration
- 2 circuits 24Vdc/3A Output relay contact and a Control module
- Dis/Enable Input and output cable monitored
- LED status indicator
- Onsite Adjustable Parameter

Overview

The LF-X5223 Addressable 12 Input/ 2output Module is characterized as 12 inputs power limited and 2 outputs volt free relay. It is used to acknowledge normally open monitor signal from interface equipment then sending communication signal to the control panel, ideally for monitoring sprinkler system, pressure switch, position switch, signal valves and other third-party equipment such as conventional panel. The output relay 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... In addition, the unit incorporates an intelligent processor that provides automatic monitoring for both open and short circuit of the input signal line. All interfaces can be seen on the panel and can be configured on the command builder to create requirement for fire event scenario, as each circuit has its own unique address, this module occupied 14 address.

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 LF-X500 Analogue Intelligent Fire Alarm Control Panel, produced by single manufacture LIFECO, to avoid addressable communication compatibility problem.

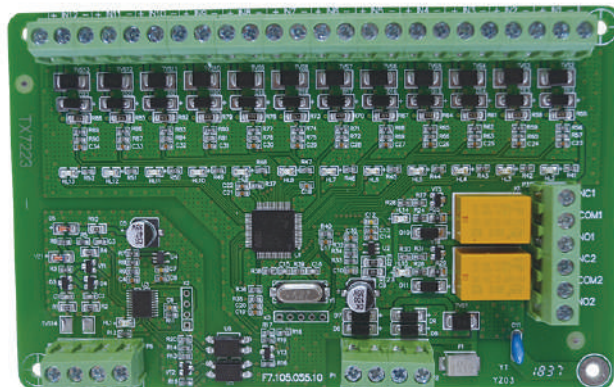
Technical Specification

Power Rating

Input Voltage	Loop Power: 24VDC [18V to 28V]
External PSU	20 to 28VDC
Current Consumption	Standby 1.5mA, Alarm: 40mA (monitoring current)

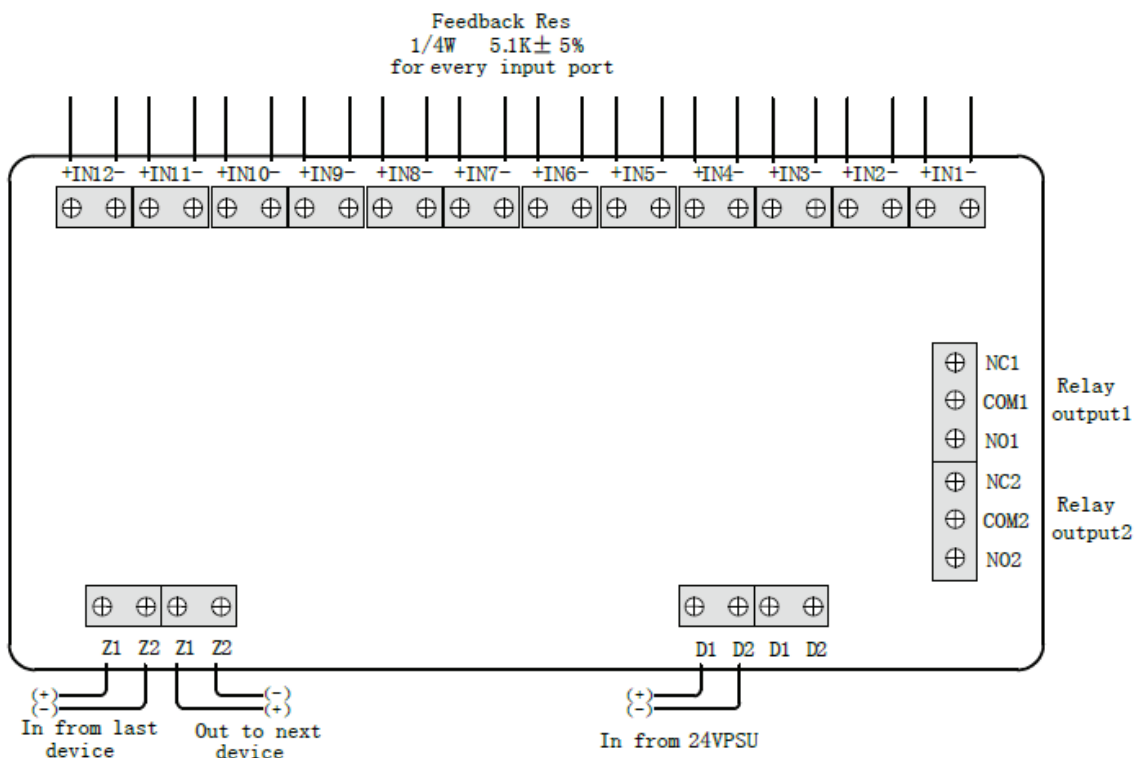
Module

Input Relay	12 Circuit: Normally Open dry contact
Input Resistance	5.1Kohms/ ¼ W
Relay Output	24VDC Power Limited
Input Relay	2 Circuit: Normally Open / Close dry contact
Protocol/Addressing	LIFECO, Occupied 14 address
Indicator Status	Normal: Single blink/Active: Steady/Fault: Double Blink
Material	PCB
Dimension	142 mm x 90 mm
Weight	350 g
Operating Temperature	-10°C to +50°C
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 (-)

D1 External Power Supply In (+)

D2 External Power Supply In (-)

NC1_COM_NO1 (Relay1): Output

NC2_COM_NO2 (Relay2): Output

IN1 (Relay 1): Normally Open Input

IN2 (Relay 2): Normally Open Input

IN3 (Relay 3): Normally Open Input

IN4 (Relay 4): Normally Open Input

IN5 (Relay 5): Normally Open Input

IN6 (Relay 6): Normally Open Input

IN7 (Relay 7): Normally Open Input

IN8 (Relay 8): Normally Open Input

IN9 (Relay 9): Normally Open Input

IN10 (Relay 10): Normally Open Input

IN11 (Relay 11): Normally Open Input

IN12 (Relay 12): Normally Open Input