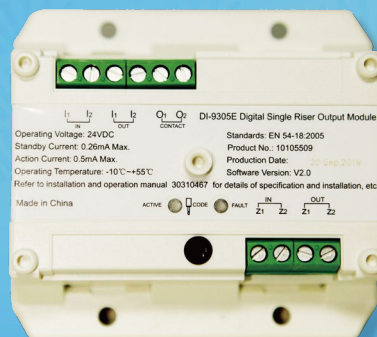


DI-9305E

Digital Single Riser Output Module

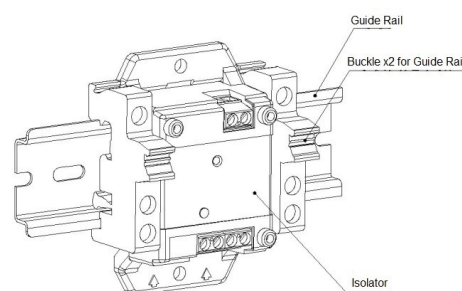
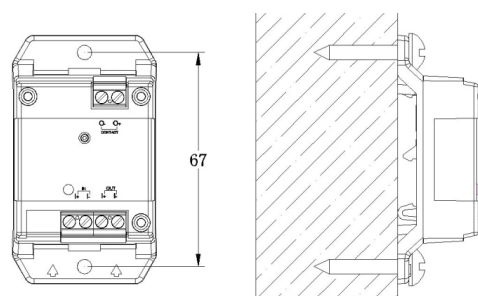


Description

DI-9305E Digital Single Riser Output Module is designed to connect with 70V/100V input audio signal cables or 24VDC input, Switching on/off the input signal to output.

Features and Benefits

- Input and Output port cable are supervised
- Double-contact relay switching 2 lines together
- Electronically addressed. Addresses can be modified in field



Certificates and Compliance

- Standards: EN 54-18:2005
- Certifications: LPCB CE
- WEEE & RoHS Compliant

Installation

The installation points of the module are shown below, Wall-mount and Rail-mount. DIN-35mm rail is applicable.

Terminals and Recommended Cabling

(Z1, Z2) IN & OUT: Connecting with Signaling Line Circuit (SLC) loop of FACP, polarity-insensitive
 (I1, I2) IN & OUT: Power input terminals. For connecting with 24V signal terminals or 70V/100V audio signal terminals
 O1, O2: Output terminals
 Recommended Cabling: 1.0mm² or above fire cable for all terminals, and subject to local codes.

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Application

The module is electronically programmable. Set the address and output parameter by handheld programmer P-9910B. The input and output port can be set cable monitored (default) or not.

| Parameter (Function-3) | Input monitor |
|-------------------------|---------------|
| 1 | No |
| Other numbers (Default) | Yes |

| Parameter (Function-4) | Output monitor |
|-------------------------|----------------|
| 1 | No |
| Other numbers (Default) | Yes |

The operation can be done either through the clips-link to the terminals (Z1&Z2), or through the earphone-link to the 3.5mm code-jack.

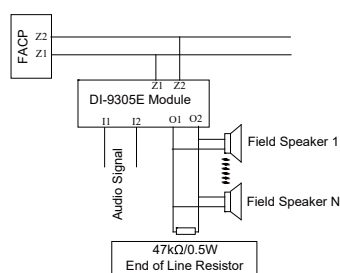
The relationship between the output port resistance and the product state is shown in the following table:

| O1/O2 port resistance | Output state |
|-----------------------|--------------|
| < 7.5 kΩ | Fault |
| > 100kΩ | Fault |
| other | Normal |

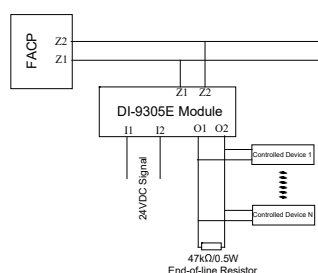
The relationship between the input port voltage and the product state is shown in the following table:

| Input port voltage | Input state |
|--------------------|-------------|
| <18 V | Fault |
| >19 V | Normal |

The system connection for applying input audio signals is shown in below:



The system connection for applying 24VDC is shown in below:



Technical Specification

| | |
|---------------------------------|---|
| Operating Voltage | Loop: 24VDC (16VDC - 28VDC) |
| Standby Current | Loop≤ 0.26mA |
| Action Current | Loop≤ 0.5mA |
| Maximum Output Load | 2A@30VDC Max. capacity of 60W for 70V audio input; Max. capacity of 60W for 100V audio input. |
| Relay Output | Volt-free contact |
| Programming Method | Electrically addressed, one address within 1 - 242. |
| Active LED | Illuminates red when the relay is activated, turns off as loop power cuts down and flashes in other states. |
| Fault LED | Illuminates yellow when input fault occurs and flashes 0.5s on and 0.5s off when output fault occurs. The LED is quiet in other states. |
| Ingress Protection Rating | IP30 |
| Operating Temperature | -10°C - +55°C |
| Relative Humidity | ≤ 95%, non-condensing |
| Compatible DIN-Rail | 35mm DIN-Rails |
| Material and Color of Enclosure | ABS, white (RAL 9016) |
| Dimension(L×W×H) | 85.3mm×78mm×33mm |
| Weight | About 66.6g |

Order Information and Compatible Products

| | |
|------------------|--|
| Part No. | DI-9305E |
| Device Name | Digital Single Riser Output Module |
| Product Code | 10105509 |
| Compatible Panel | GST-200N Intelligent Fire Panel GST-IFP8 Intelligent Fire Panel |

Accessories and Tools



Part No.: P-9910B
Device name: Handheld Programmer
Product No.: 10104894



Part No.: GST-MBX22
Device name: Module Box
Product No.: 30208656



Part No.: GST-MBX29
Device name: Module Box
Product No.: 30208657



Part No.: D-93CT2
Device name: Din-rail Module Transparent Cover 2U
Product No.: 20103183

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