

EM411R

Addressable conventional-zone
interface module



As a result of modern technology based on the new generation microprocessors, the ENEA series EM411R module allows you to interface a conventional line (up to 30 devices) to an Inim addressable-analogue control panel. This module combines the most advanced technology that fire detection equipment can offer today. These devices provide a vast spectrum of options and flexible functions, all configurable from the control panel (VERSA ++ technology). A sophisticated set of algorithms, custom created by Inim's R&D professionals, ensures unequalled reliability and the highest immunity to false alarms.

Each device is identified by a unique factory-assigned serial number. Therefore, these devices do not require the use of an address programmer. The serial number is located on the device label and on two stickers which can be positioned on the system layout and on the mounting base.

Once the loop wiring is complete, the EDRV1000 driver or SmartLoop/SmartLight control panel, assisted by LoopMap application, will enroll all the connected devices automatically and reconstruct a map showing the wiring order of the connected peripheral devices, "T" junctions and all the physical characteristics of the Loop. LoopMap technology allows you reconstruct the exact installation layout and thus create an easy-to-use, interactive loop map which greatly simplifies and speeds up searches relating to system faults and maintenance work.

The innovative serial self-addressing function, developed by Inim's R&D professionals, allows you to add new devices to an existing system without reprogramming it. In this way, the LoopMap specifications remain unchanged and the new devices are assigned available logical addresses (in order) and correctly positioned on the interactive map.

The self-addressing "SERIAL" function eliminates many of the problems connected with the manual addressing procedure, such as time-consuming operations on rotary/DIP switches and errors caused by duplicated or wrong addresses and similar problems. Serial technology not only makes the self-addressing process more reliable, it also speeds up fault searches, facilitates system expansion, simplifies changes, and assures greater flexibility and lower costs.

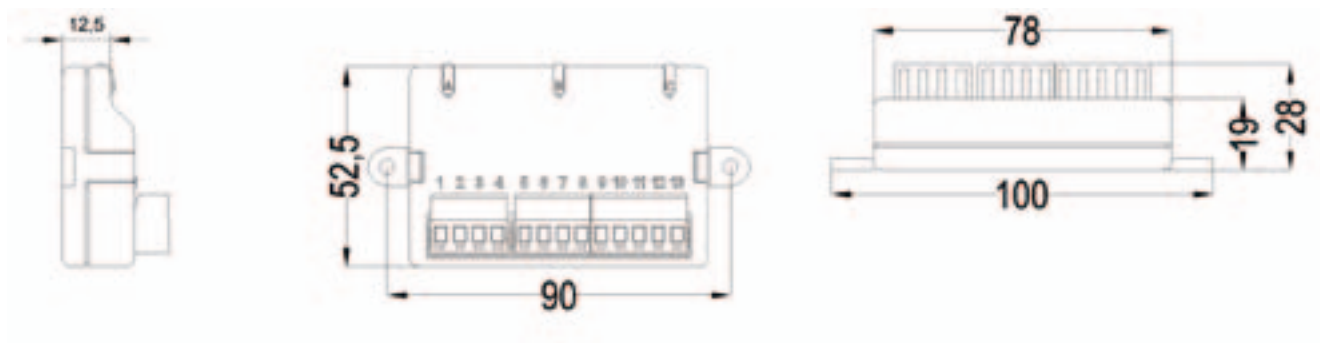
Inim's new technology combines the advantages of manual addressing with the cutting-edge efficiency of a self-addressing process.

The EM411R is equipped with a conventional line input, a relay output with 2 voltage-free contacts (activated by the same events) programmable as NO/NC (assignable to any control panel event).

The EM312SR, as all ENEA series devices, is equipped with an isolator module which occupies a loop address.

Technical features

- Self-addressing.
- LoopMap Technology.
- Versa++ Technology.
- 240 addresses.
- 1 conventional line input.
- 1 dual point relay output 1A@30Vdc.
- Integrated short-circuit isolator.
- Power supply voltage: 19 - 30Vdc.
- Current draw during standby: 1mA.
- Current draw during alarm: 20mA.
- Conventional EOL: Condenser 22 μ F 35V.
- Tamper threshold without load: 220 nF.
- Tamper threshold with load: 2.2 μ F.
- Alarm threshold: 12 mA.
- Sort-circuit threshold.
- Tri-colour LED for input/output/isolator status signalling.
- Dimensions (H x L x D) 52.50 x 100 x 28 mm.
- Weight: 66 g.



ORDER CODE

EM411R: Conventional line input module.