

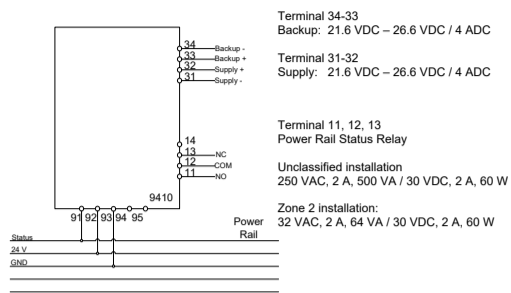


## ATEX Installation drawing 9410QA01-V4R0

**9410**  
For safe installation of 9410 the following must be observed. The module shall only be installed by qualified personnel who are familiar with the national and international laws, directives and standards that apply to this area.  
Year of manufacture can be taken from the first two digits in the serial number.

**9410 Power Control Unit**  
ATEX Certificate KEMA 07ATEX0152X  
Marking: II 3G Ex ec n IIC T4 Gc  
Standard: EN60079-0:2018, EN60079-7:2015+A1, EN60079-15:2010

Non Hazardous Area or Zone 2  
T4: -20 °C < Ta < +60°C



## 9410 Power Control with backup.



**General**  
The 9410 must be supplied from a Power Source with Double or Reinforced insulation to Mains.

Terminal blocks:  
Wire size 0.13-2.08 mm<sup>2</sup> / AWG 26-14 stranded wire  
Screw terminal torque 0.5 Nm

**For installation in Zone 2**  
The Power Control Unit Type 9410 and Power Rail Type 9400 shall be installed in a controlled environment with suitably reduced pollution, limited to pollution degree 2 or better.  
The circuit shall be limited to overvoltage category I/II as defined in EN60664-1.

The 9410 Power Control Unit and 9400 Power Rail must be installed in an outer enclosure having an IP protection of at least IP54 conforming to the requirements of explosion protection Ex-n or Ex-e.

Transients are suppressed by an internal transient protection device, which is set to a level not exceeding 40% of the rated voltage.

**WARNING:** Do not separate connectors when energized and an explosive gas mixture is present.

**WARNING:** Do not install or remove modules from the Power Rail unless Area is known to be Non Hazardous.

**WARNING:** Terminals 91,92,93,94,95 may only be connected to Power Rail 9400.

## Redundant 9410 Power Control with Backup.

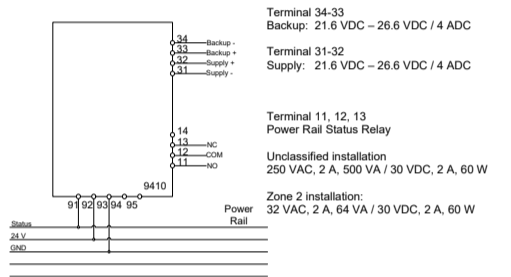


## IECEx Installation drawing 9410QI01-V4R0

**9410**  
For safe installation of 9410 the following must be observed. The module shall only be installed by qualified personnel who are familiar with the national and international laws, directives and standards that apply to this area.  
Year of manufacture can be taken from the first two digits in the serial number.

**9410 Power Control Unit**  
IECEx Certificate IECEx KEM 08.0025 X  
Marking: Ex ec n IIC T4 Gc  
Standards: IEC60079-0:2017, IEC60079-15:2017, IEC60079-7:2017

Non Hazardous Area or Zone 2  
T4: -20 °C < Ta < +60°C



## 9410 Power Control with backup.



## Installation notes:

**General**  
The 9410 must be supplied from a Power Source with Double or Reinforced insulation to Mains.

Terminal blocks :  
Wire size 0.13-2.08 mm<sup>2</sup> / AWG 26-14 stranded wire  
Screw terminal torque 0.5 Nm

**For installation in Zone 2**  
The Power Control Unit Type 9410 and Power Rail Type 9400 shall be installed in a controlled environment with suitably reduced pollution, limited to pollution degree 2 or better.  
The circuit shall be limited to overvoltage category I/II as defined in IEC 60664-1.

The 9410 Power Control Unit and 9400 Power Rail must be installed in an outer enclosure having an IP protection of at least IP54, conforming to the requirements of explosion protection Ex-n or Ex-e.

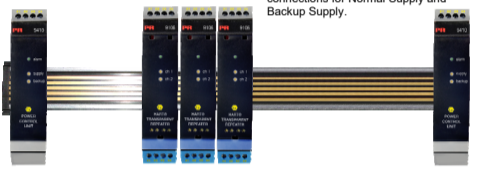
Transients are suppressed by an internal transient protection device, which is set to a level not exceeding 40% of the rated voltage.

**WARNING:** Do not separate connectors when energized and an explosive gas mixture is present.

**WARNING:** Do not install or remove modules from the Power Rail unless Area is known to be Non Hazardous.

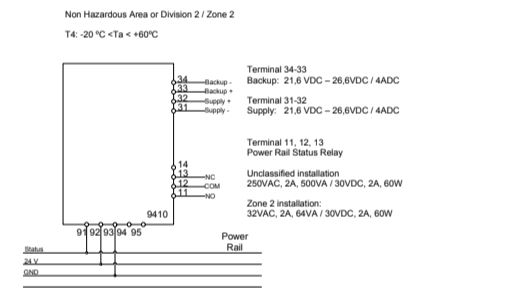
**WARNING:** Terminals 91,92,93,94,95 may only be connected to Power Rail 9400.

## Redundant 9410 Power Control with Backup.



## FM Installation drawing 9410QF01-V3R0

**9410 Power Control Unit**  
For safe installation of 9410 the following must be observed. The module shall only be installed by qualified personnel who are familiar with the national and international laws, directives and standards that apply to this area.



## 9410 Power Control with backup.



## Installation notes:

The installation and wiring shall be in accordance with the Canadian Electrical Code for Canada and National Electrical Code NFPA 70, Article 500 or 505 for installation in USA.

The module must be supplied from a Power Supply having double or reinforced insulation.

The use of stranded wires is not permitted for mains wiring except when wires are fitted with cable ends.

For installation in Zone 2 or Division 2, the module must be installed in a suitable outer enclosure according to the regulations in the CEC for Canada or NEC for USA.

Shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application, including a tool removable cover.

Install in pollution degree 2 or better.

Substitution of components may impair the suitability for division 2 / zone 2 installation.

**Warning:** To prevent ignition of the explosive atmospheres, disconnect power before servicing and do not separate connectors when energized and an explosive gas mixture is present.

**WARNING:** Do not install or remove modules from the Power Rail and do not remove connectors from the module unless Area is known to be Non Hazardous.

## Redundant 9410 Power Control with Backup.

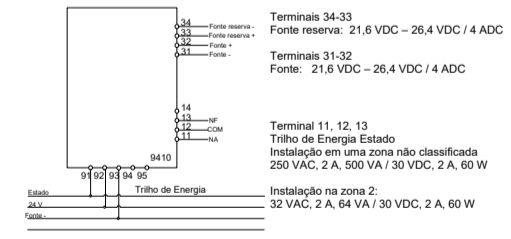


## INMETRO Desenhos para Instalação 9410QB01-V5R0

**9410**  
Para instalação segura do 9410 o manual seguinte deve ser observado. O módulo deve ser instalado somente por profissionais qualificados que estão familiarizados com as leis nacionais e internacionais, diretrizes e normas que se aplicam a esta área.  
Ano de fabricação pode ser obtido a partir dos dois primeiros dígitos do número de série number.

**9410 Unidade de Controle de Potência**  
INMETRO Certificado DEKRA 16.0007X  
Marcas: Ex ec n IIC T4 Gc  
Normas: ABNT NBR IEC60079-0:2013/2016, ABNT NBR IEC60079-15:2012, ABNT NBR IEC60079-07:2018

Área não classificada ou Zone 2  
T4: -20 °C < Ta < +60°C



## 9410 Controle de Potência com reserva.



## Notas para instalação:

**Geral**  
O 9410 deve ser energizado por uma fonte de alimentação com isolamento duplo ou reforçado vindo da rede elétrica.

Blocos de terminais :  
Tamanho do fio 0.13-2.08 mm<sup>2</sup> / AWG 26-14 encaixado  
Torque terminal < 0,5 Nm

**Para instalação em Zona 2**  
A unidade de controle de potência tipo 9410 e o tipo de trilho de energia 9400 devem ser instalados em um ambiente controlado com poluição adequadamente reduzida, limitada ao grau de poluição 2 ou melhor.

O circuito deve ser limitado a categoria de sobretensão I / II, conforme definido na IEC 60664-1.

O Unidade de controle de Potência Modelo 9410 e Trilho de Alimentação Modelo 9400 deve ser instalado dentro de um invólucro adequado em conformidade com o tipo de proteção 'Ex n' ou 'Ex e', fornecendo no mínimo grau de proteção IP54.

Transientes são suprimidos por um dispositivo interno, que é definido para um nível não superior a 40% da tensão nominal.

**Atenção:** Não desconecte conectores quando energizado e uma mistura explosiva de gás estiver presente.

**Atenção:** Não instalar ou remover os módulos do trilho de energia a menos que área seja conhecida como área não classificada.

**Atenção:** Terminals 91, 92, 93, 94 e 95 só podem ser conectados ao Trilho de Energia Tipo 9400.

## Controle de Potencia 9410 redundante com reserva.



## UL Installation drawing 9410QU01-V1R0

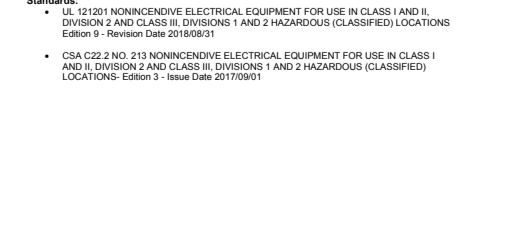
For safe installation of the Process Control Equipment 9410-U9, the following must be observed. The module shall only be installed by qualified personnel who are familiar with the national and international laws, directives and standards that apply to this area.

Model: 9410-U9 Power Control Unit

Marking:  
Proc. Cont. Eq. for Use in Haz. Loc.  
Install in CL I DIV2 GP A-D T4  
or CL I Zn2 Gp IIC T4  
Installation Drawing: 9410QU01

The 9410-U9 equipment is intended for installation in non-classified locations or Class I Division 2, Groups A-D or Zone 2 Group IIC hazardous locations.

Standards:  
• UL 12121 NONINCENDIVE ELECTRICAL EQUIPMENT FOR USE IN CLASS I AND II, DIVISION 2 AND CLASS III, DIVISIONS 1 AND 2 HAZARDOUS (CLASSIFIED) LOCATIONS Edition 9 - Revision Date 2018/08/31  
• CSA C22.2 NO. 213 NONINCENDIVE ELECTRICAL EQUIPMENT FOR USE IN CLASS I AND II, DIVISION 2 AND CLASS III, DIVISIONS 1 AND 2 HAZARDOUS (CLASSIFIED) LOCATIONS: Edition 3 - Issue Date 2017/09/01



## Installation notes 9410-U9

The module must be installed in a tool-secured enclosure suitable for the application in accordance with the National Electrical Code (ANSI/NFPA 70) for installation in the United States, the Canadian Electrical Code for installations in Canada, or other local codes, as applicable.

Install in pollution degree 2, overvoltage category II in accordance with IEC 60664-1.

Use minimum 75 °C copper conductors with wire size AWG: (26-14)

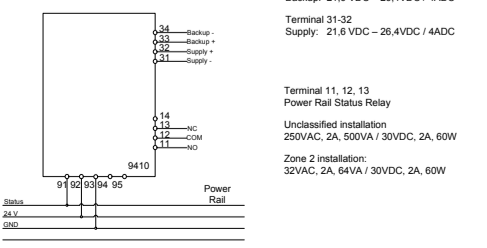
There are no serviceable parts in the equipment and no component substitution is permitted

**Warning:** To prevent ignition of the explosive atmospheres, disconnect power before servicing and do not separate connectors, install or remove modules from Power Rail when energized and an explosive gas mixture is present.

**Avertissement:** Pour éviter l'inflammation d'atmosphères explosibles, déconnectez l'alimentation avant les opérations d'entretien. Ne montez pas ou n'enlevez pas les connecteurs quand le module est sous tension et en présence d'un mélange de gaz. Ne montez pas ou n'enlevez pas les modules du rail d'alimentation en présence d'un mélange de gaz.

The 9410-U9 must be supplied from a Power Source with Double or Reinforced insulation to Mains.

Non Hazardous Area or Zone 2  
T4: -20 °C < Ta < +60°C



## 9410 -U9 Power Control with backup.



## Redundant 9410-U9 Power Control with Backup.

