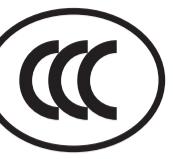


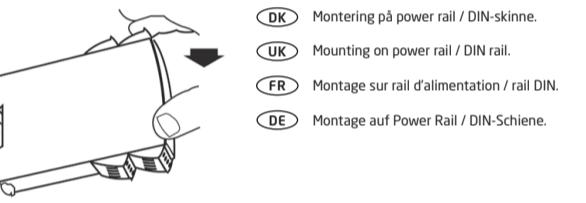
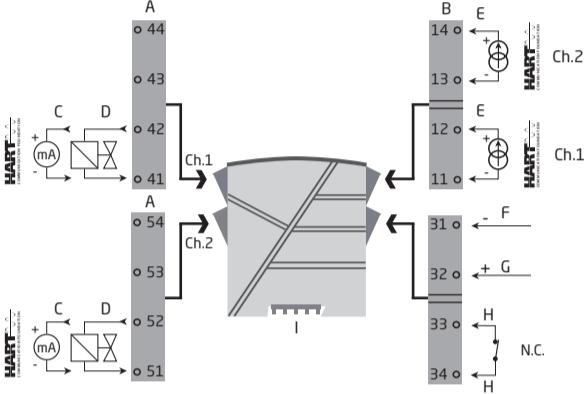


9107A
9107B

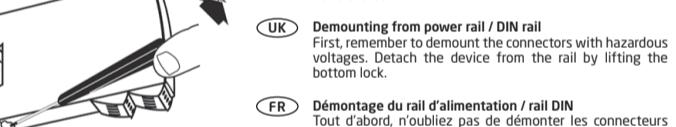
9107 HART 透传驱动器
丹麥製造
佩勒电子(上海)有限公司
云岭东路 651 号 305 室
普陀区, 上海 200062 中国



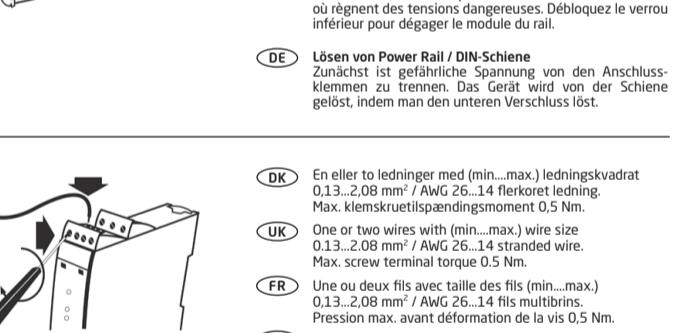
	DK	UK	FR	DE
A	Udgangssignaler	Output signals	Signaux de sortie	Ausgangssignale
B	Indgangssignaler	Input signals	Signaux d'entrée	Eingangssignale
C	Strøm, 4...20 mA	Current, 4...20 mA	Courant, 4...20 mA	Strom, 4...20 mA
D	I/P-konverter	I/P converter	Convertisseur I/P	I/P-Wandler
E	4...20 mA udgang	4...20 mA output	Sortie 4...20 mA	4...20 mA Ausgang
F	Forsyning -	Supply -	Alimentation -	Versorgung -
G	Forsyning +19.2...31.2 VDC	Power supply +19.2...31.2 VDC	Alimentation +19.2...31.2 VDC	Versorgung +19.2...31.2 VDC
H	Modulstatus	Device status	Etat du module	Gerätestatus
I	Forsyning via power rail	Power supply via power rail	Alimentation par rail	Versorgung über Power Rail
Ch.1	Kanal 1	Channel 1	Voie 1	Kanal 1
Ch.2	Kanal 2	Channel 2	Voie 2	Kanal 2
N.C.	Normalt lukket	Normally closed	Normalement fermé	Öffner



DK Monitoring på power rail / DIN-skinne.
UK Mounting on power rail / DIN rail.
FR Montage sur rail d'alimentation / rail DIN.
DE Montage auf Power Rail / DIN-Schiene.



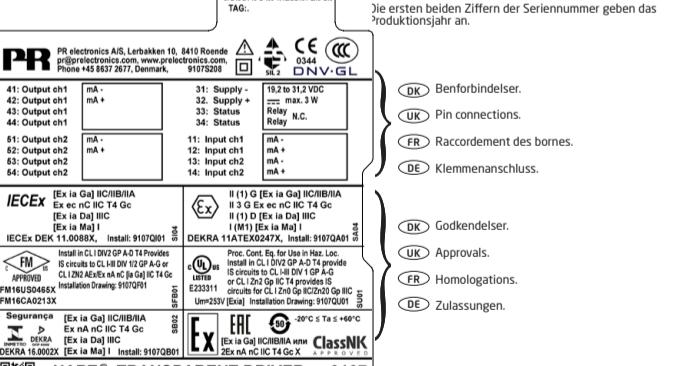
DK Frigrelse fra power rail / DIN-skinne
Husk først at demontere tilslutningsklemmerne med farlig spænding. Modulet frigøres fra skinnen ved at løfte i den nederste lås.
UK Demounting from power rail / DIN rail
First, remember to demount the connectors with hazardous voltages. Detach the device from the rail by lifting the bottom lock.
FR Démontage du rail d'alimentation / rail DIN
Tout d'abord, n'oubliez pas de démonter les connecteurs où règnent des tensions dangereuses. Débloquez le verrou inférieur pour dégager le module du rail.
DE Lösen von Power Rail / DIN-Schiene
Zunächst ist gefährliche Spannung von den Anschlussklemmen zu trennen. Das Gerät wird von der Schiene gelöst, indem man den unteren Verschluss löst.



DK En eller to ledninger med (min...max.) ledningskvadrat 0,13...2,08 mm² / AWG 26...14 flerkort ledning. Max. klemmskrue tilspændingsmoment 0,5 Nm.
UK One or two wires with (min...max.) wire size 0,13...2,08 mm² / AWG 26...14 stranded wire. Max. screw terminal torque 0,5 Nm.
FR Une ou deux fils avec tailles des fils (min...max.) 0,13...2,08 mm² / AWG 26...14 fils multibrins. Pression max. avant déformation de la vis 0,5 Nm.
DE Ein oder zwei Leiter mit (min...max.) Leitungsquerschnitt 0,13...2,08 mm² / AWG 26...14 Litzzendraht. Max. Klemmschraubenanzugsmoment 0,5 Nm.



DK Sideskilt
UK Side label
FR Etiquette
DE Typenschild
DK Produktions fremgå af de første ciffer i serienummeret
UK fear of manufacture can be taken from the first two digits in the serial number.
FR Année de production est définie grâce aux deux premiers chiffres du numéro de série.
DE Die ersten beiden Ziffern der Seriennummer geben das Produktionsjahr an.



DK	Kina RoHS	UK	China RoHS	FR	RoHS chinois	DE	China-RoHS
Hazardous Substances							
Part Name	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr VI)	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)	
Printed circuit board	X	0	0	0	0	0	

This table is prepared in accordance with the provisions of SJ/T 11364
O: Indicates that said hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement of GB/T 26572.

X: Indicates that said hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement of GB/T 26572.

The product's Environmentally Friendly Use Period (EFUP) is 50 years



DK
ADVARSEL
Dette modul er beregnet for tilslutning til livsfarlige elektriske spændinger. Hvis denne advarsel ignoreres, kan det føre til alvorlig legemsbeskadigelse eller mekanisk ødelæggelse.
For at undgå fare for elektrisk stød og brand skal sikkerhedsreglerne overholdes, og vejledningerne skal følges.
Specifikationerne må ikke overskrives, og modulet må kun benyttes som beskrevet i det følgende.
Installationsvejledningen skal studeres omhyggeligt, før modulet tages i brug. Kun kvalificeret personale (teknikere) må installere dette modul. Hvis modulet ikke benyttes som beskrevet i denne installationsvejledning, så forringes modulets beskyttelsesforanstaltninger.

UK
WARNING
This device is designed for connection to hazardous electric voltages. Ignoring this warning can result in severe personal injury or mechanical damage.
To avoid the risk of electric shock and fire, the safety instructions of this guide must be observed and the guidelines followed. The specifications must not be exceeded, and the device must only be applied as described in the following.
Prior to the commissioning of the device, this installation guide must be examined carefully.
Only qualified personnel (technicians) should install this device. If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

FR
AVERTISSEMENT
Ce module est conçu pour supporter une connexion à des tensions électriques dangereuses. Si vous ne tenez pas compte de cet avertissement, cela peut causer des dommages corporels ou des dégâts mécaniques. Pour éviter les risques d'électrocution et d'incendie, conformez-vous aux consignes de sécurité et suivez les instructions mentionnées dans ce guide. Vous devez vous limiter aux spécifications indiquées et respectez les instructions d'utilisation de ce module; telles qu'elles sont décrites dans ce guide. Il est nécessaire de lire ce guide attentivement avant de mettre ce module en marche. L'installation de ce module est réservée à un personnel qualifié (techniciens). Si la méthode d'utilisation de l'équipement diffère de celle décrite par le fabricant, la protection assurée par l'équipement risque d'être altérée.

DE
WANRUNG
Dieses Gerät ist für den Anschluss an lebensgefährliche elektrische Spannungen gebaut. Missachtung dieser Warnung kann zu schweren Verletzungen oder mechanischer Zerstörung führen. Um eine Gefährdung durch Stromstöße oder Brand zu vermeiden müssen die Sicherheitsregeln der Installationsanleitung eingehalten und die Anweisungen befolgt werden. Die Spezifikationswerte dürfen nicht überschritten werden, und das Gerät darf nur gemäß folgender Beschreibung benutzt werden. Diese Installationsanleitung ist sorgfältig durchzulesen, ehe das Gerät in Gebrauch genommen wird. Nur qualifizierte Personen (Techniker) dürfen dieses Gerät installieren. Wenn das Gerät nicht wie in dieser Installationsanleitung beschrieben benutzt wird, werden die Schutzeinrichtungen des Gerätes beeinträchtigt.

DK
ADVARSEL
Der må ikke tilsluttes farlig spænding til modulet, før dette er fastmonteret, og følgende operationer bør kun udføres på modulet i spændingslös tilstand og under ESD-sikre forhold:
Installation, ledningsmontage og -demontage. Fejfindning på modulet.

UK
WARNING
Until the device is fixed, do not connect hazardous voltages to the device.
The following operations should only be carried out on a disconnected device and under ESD safe conditions:
General mounting, connection and disconnection of wires.
Troubleshooting the device.
Repair of the device and replacement of circuit breakers must be done by PR electronics A/S only.

FR
AVERTISSEMENT
Tant que le module n'est pas fixé, ne le mettez pas sous tensions dangereuses. Les opérations suivantes doivent être effectuées avec un module débranché et dans un environnement exempt de décharges électrostatiques (ESD): montage général, raccordement et débranchement de fils et recherche de pannes sur le module.
Seule PR electronics SARL est autorisée à réparer le module et à remplacer les fusibles.

DE
WANRUNG
Vor dem abgeschlossenen festen Einbau des Gerätes darf keine gefährliche Spannung angeschlossen werden, und folgende Maßnahmen sollten nur in spannungslosem Zustand des Gerätes und unter ESD-sicheren Verhältnissen durchgeführt werden: Installation, Montage und Demontage von Leitungen. Fehlersuche im Gerät. Reparaturen des Gerätes und Austausch von Sicherungen dürfen nur von PR electronics A/S vorgenommen werden.

DK
ADVARSEL
Modulets frontplate må ikke åbnes, da dette vil medføre skade på stikforbindelsen til display-/programmeringsfronten PR 4511/4501. Modulerne indeholder ingen DIP-switch eller jumpers.

UK
WARNING
Do not open the front plate of the device as this will cause damage to the connector for the display / programming front PR 4511/4501. The SYSTEM 9000 devices contain no DIP-switches or jumpers.

FR
AVERTISSEMENT
Ne pas ouvrir la plaque avant du module car cela causera des dommages au connecteur de l'indicateur/la façade de programmation PR 4511/4501. Les modules ne contiennent ni de commutateurs DIP ni de cavaliers.

DE
WANRUNG
Die Frontplatte des Gerätes darf nicht geöffnet werden, weil hierdurch die Kontakte zur Kontaktierung des Frontdisplays 4511/4501 beschädigt werden können. Die Geräte enthalten keine internen DIP-Schalter oder Programmierbrücken.

DK
SIKKERHEDSREGLER
Modtagelse og udpakning
Udpak modulet uden at beskæride det. Kontrollér ved modtagelsen, at modultypen svarer til den bestilte. Indpakningen bør følge modulet, indtil dette er monteret på blivende plads.

UK
SAFETY INSTRUCTIONS
Receipt and unpacking
Unpack the device without damaging it. The packing should always follow the device until this has been permanently mounted. Check at the receipt of the device whether the type corresponds to the one ordered.

FR
CONSIGNES DE SECURITE
Réception et déballage
Déballez le module sans l'endommager. Il est recommandé de conserver l'emballage du module tant que ce dernier n'est pas définitivement monté. A la réception du module, vérifiez que le type de module reçu correspond à celui que vous avez commandé.

DE
SICHERHEITSREGELN
Empfang und Auspacken
Packen Sie das Gerät aus, ohne es zu beschädigen, und kontrollieren Sie sie beim Empfang, ob der Gerätetyp Ihrer Bestellung entspricht. Die Verpackung sollte beim Gerät bleibt, bis dieses am endgültigen Platz montiert ist.

DK
MILJØFORHOLD
Undgå direkte sollys, kraftigt stov eller varme, mekaniske rystelser og stød, og væske ikke modulet for regn eller kraftig fugt. Om nødvendigt skal opvarming, ud over de opgivne grænser for omgivelsets temperatur, forhindres ved hjælp af ventilation.

UK
ENVIRONMENT
Avoid direct sunlight, dust, high temperatures, mechanical vibrations and shock, as well as rain and heavy moisture. If necessary, heating in excess of the stated limits for ambient temperatures should be avoided by way of ventilation.

FR
ENVIRONNEMENT
N'exposez pas votre module aux rayons directs du soleil et choisissez un endroit à l'humidité modérée et à l'abri de la poussière, des températures élevées, des chocs et des vibrations mécaniques et de la pluie. Le cas échéant, des systèmes de ventilation permettent d'éviter qu'une pièce soit chauffée au-delà des limites prescrites pour les températures ambiantes.

DE
UMGEBUNGSBEDINGUNGEN
Alle Geräte können für Mess- / Überspannungskategorie II und Pollution Degree 2. Die Module sind so konzipiert, dass es auch in einer Einsatzhöhe von bis zu 2000 m noch sicher funktioniert.

DK
INSTALLATION
Modulet må kun tilsluttes af kvalificerede teknikere, som er bekendte med de tekniske udtryk, advarsler og instruktioner i installationsvejledningen, og som vil følge denne.

UK
INSTALLATION
Only qualified technicians who are familiar with the technical terms, warnings, and instructions in this installation guide and who are able to follow these should connect the device.

FR
INSTALLATION
Les modules peuvent être installés dans catégorie de mesure / surtension II et de pollution 2. Ce module est conçu pour fonctionner en toute sécurité jusqu'à une altitude inférieure à 2000 m.

DE
INSTALLATION
Das Gerät darf nur von qualifizierten Technikern angegeschlossen werden, die mit den technischen Ausdrücken, Warnings und Anweisungen in dieser Installationsanleitung vertraut sind und diese befolgen.

DK
RENGRING
Beskrivelse af indgang / udgang og forsyningsforbindelser findes i produktmanuallen og på sideskillet.

UK
RENGRING
Description of input / output and power supply connections are shown in the product manual and on the side label.

FR
REINIGUNG
Les descriptions d'entrée / sortie et de l'alimentation sont indiquées dans le manuel du produit et sur l'étiquette latérale.

DE
REINIGUNG
Alle Geräte können für Mess- / Überspannungskategorie II und Pollution Degree 2. Das Gerät ist so konzipiert, dass es auch in einer Einsatzhöhe von bis zu 2000 m noch sicher funktioniert.

DK
BETJENING AF TURNOFF
Under kalibrering og justering skal måling og tilslutning af eksterne spændinger udføres i henhold til denne installationsvejledning, og teknikeren skal benytte sikkerhedsmaßigt korrekte værktøjer og instrumenter.

UK
BETJENING AF TURNOFF
During calibration and adjustment, the measuring and connection of external voltages must be carried out according to the specifications of this installation guide. The technician must use tools and instruments that are safe to use.

FR
BETJENING AF TURNOFF
Lors des opérations d'étalementage et de réglage, il convient d'effectuer les mesures et les connexions des tensions externes en respectant les spécifications mentionnées dans ce guide. Les techniciens doivent utiliser des outils et des instruments pouvant être manipulés en toute sécurité.

DE
BETJENING AF TURNOFF
Für die Kalibrierung und Justierung muss die Messung und der Anschluss externer Spannungen entsprechend dieser Installationsanleitung ausgeführt werden. Der Techniker muss hierbei sicherheitsmäßig einwandfreie Werkzeuge und Instrumente benutzen.

DK
BETJENING AF TURNOFF
Betjening af normal drift

UK
BETJENING AF TURNOFF
Under normal drift

FR
BETJENING AF TURNOFF
Durant la calibration et ajustement

DE
BETJENING AF TURNOFF
Während der Kalibrierung und Justierung sind die Messung und der Anschluss externer Spannungen entsprechend dieser Installationsanleitung auszuführen, und der Techniker muss hierbei sicherheitsmäßig einwandfreie Werkzeuge und Instrumente benutzen.

DK
RENGRING
Modulet må, i spændingslös tilstand, rengøres med en klud let fugtet med destilleret vand.

UK
RENGRING
When disconnected, the device may be cleaned with a cloth moistened with distilled water.

FR
REINIGUNG
Das Gerät darf in spannungslosem Zustand mit einem Lappen gereinigt werden, der mit destilliertem Wasser leicht angefeuchtet ist.

DE
REINIGUNG
Für die Reinigung auf dem Netzteil wird das Gerät während der Power Control Unit 9410 versorgt.

ATEX Installation drawing – V4R0

For safe installation of 9107 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.

For installation in Zone 2 the following must be observed.

The 4501 programming module is to be used solely with PR electronics modules. It is important that the module is undamaged and has not been altered or modified in any way.

Only 4501 modules free of dust and moisture shall be installed.

9107BA: 1 channel HART-transparent driver
9107BB: 2 channel HART-transparent driver

ATEX Certificate: DEXRA 11ATEX0247X

Marking 9107Bx II (1) G [Ex ia Ga] IIC/IIB/IIC
II (1) D [Ex ia Da] IIC
(M1) [Ex ia Ma] I

Marking 9107Ax, 9107Bx II 3 G Ex ec nC IIC T4 Gc

Standards: EN 60079-0 : 2018, EN 60079-11 : 2012, EN 60079-15 : 2019, IEC 60079-7 : 2015+A1:2017

Supply terminal (31,32)
Voltage: 19.2 – 31.2 VDC

Status Relay, terminal (33,34)
Voltage max: 125 VAC / 110 VDC
Power max: 62.5 VA / 32 W
Current max: 0.5 A AC / 0.3 ADC

Installation notes:
Install in pollution degree 2, overvoltage category II as defined in EN 60664-1.

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

Do not mount or remove modules from the Power Rail when an explosive gas mixture is present.

Disconnect power before servicing.

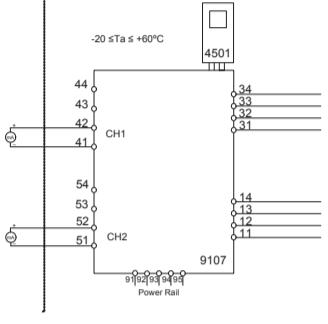
The wiring of unused terminals is not allowed.

In type of protection [Ex ia Da] the parameters for intrinsic safety for gas group IIB are applicable.

For installation in Zone 2, the module shall be installed in an enclosure in type of protection Ex n or Ex e, providing a degree of protection of at least IP54. Cable entry devices and blanking elements shall fulfill the same requirements.

For installation on Power Rail in Zone 2, only Power Rail type 9400 supplied by Power Control Unit type 9410 (Type Examination Certificate KEMA 07ATEX0152 X) is allowed.

Hazardous area
Zone 0,1,2, 20, 21, 22
Non Hazardous area
or Zone 2
(terminal 11,12,13,14)
(terminal 31,32,33,34)
(terminal 91,92,93,94,95)
Um: 253 V, max. 400 Hz

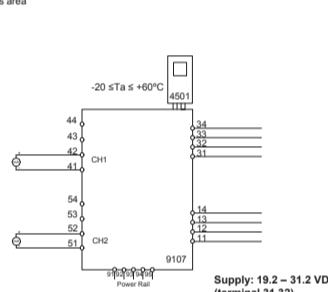


CH1 (terminal 41,42)
CH2 (terminal 51,52)
U_e: 28 V
I_e: 93 mA
P_e: 0.65 W

IIC	IIB	IIA	I
C _e : 0.080μF	0.650μF	2.15 μF	3.76 μF

L _e	4 mH	16 mH	32 mH	35 mH
C _e : 0.080μF	0.650μF	2.15 μF	3.76 μF	

9107Ax, 9107Bx Installation:
Hazardous area
Zone 2



Output
CH1 (terminal 41,42)
CH2 (terminal 51,52)

Status Relay, terminal (33,34)
Zone 2 Installation
Voltage max: 125 VAC / 110 VDC
Power max: 62.5 VA / 32 W
Current max: 0.5 A AC / 0.3 ADC

For installation in Zone 2, the module shall be installed in an enclosure in type of protection Ex n or Ex e, providing a degree of protection of at least IP54. Cable entry devices and blanking elements shall fulfill the same requirements.

For installation on Power Rail in Zone 2, only Power Rail type 9400 supplied by Power Control Unit type 9410 (Type Examination Certificate KEMA 07ATEX0152 X) is allowed.

For installation in Zone 2 the following must be observed. The 4501 programming module is to be used solely with PR electronics modules. It is important that the module is undamaged and has not been altered or modified in any way. Only 4501 modules free of dust and moisture shall be installed.

UL Installation drawing 9107QU01 – V1R0

For safe installation of the Process Control Equipment (Associated Apparatus) 9107 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.

For installation in Div 2 Zones the following must be observed.

The 4501 programming module is to be used solely with PR electronics modules. It is important that the module is undamaged and has not been altered or modified in any way. Only 4501 modules free of dust and moisture shall be installed.

9107AA-U9: 1 channel HART-transparent driver
9107BA-U9: 1 channel HART-transparent driver
9107AB-U9: 2 channel HART-transparent driver
9107BB-U9: 2 channel HART-transparent driver

Marking:
Proc. Cont. Eq. for use in Haz. Loc.
Install in CL 1 DIV2 GP-A T4 provide
IS circuits to CL 1-H2 GP 1 GP 1-G
or CL 1-Zn2 GP IIC provided IS
Class I, Division 2, Groups A-D hazardous locations with
intrinsically safe connections to Class I, II and
III hazardous locations.

The 9107Bxx is galvanically isolating associated apparatus intended for installation in non-hazardous locations or Class I, Division 2, Groups A-D hazardous locations with intrinsically safe connections to Class I, II and III hazardous locations.

E233311 (Exia) Installation Drawing: 9107QU01

Standards:
UL 1212-1 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 2018/08/31

CSA C22.3 NO. 215 NONINCENDIVE ELECTRICAL EQUIPMENT FOR USE IN CLASS I AND II,
AND II, DIVISION 2 AND CLASS III, DIVISIONS 1 AND 2 HAZARDOUS (CLASSIFIED)
LOCATIONS - Edition 3 - Issue Date 2017/09/01

UL 113 STANDARD FOR INTRINSICALLY SAFE APPARATUS AND ASSOCIATED APPARATUS FOR USE IN CLASS I, II, III, DIVISION 1, HAZARDOUS (CLASSIFIED) LOCATIONS - Edition 8 - Revision Date 2015/10/16

CSA C22.2 NO. 60079-0 EXPLOSIVE ATMOSPHERES — PART 0: EQUIPMENT —
GENERAL REQUIREMENTS - Edition 3 - Issue Date 2015/10/01

CSA C22.2 NO. 60079-11-14 EXPLOSIVE ATMOSPHERES — PART 11: EQUIPMENT PROTECTION BY INTRINSIC SAFETY "I" - Edition 2 - Issue Date 2014/02/01

Installation notes 9107Ax and 9107Bx:
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.

The module is galvanically isolated and does not require grounding.

Terminal 41, 42, 43, 44 are internally connected to CH1.

Terminal 51, 52, 53, 54 are internally connected to CH2.

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)

Warning: Substitution of components may impair intrinsic safety.

Avertissement : La substitution des composants peut nuire à la sécurité intrinsèque.

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 explosives, 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.

Installation notes 9107Bxx:

Associated Equipment/Appareillage Asso [Ex ia]

The Ex output current of this associated apparatus is limited by a resistor such that the output voltage-current plot is a straight line drawn between open-circuit voltage and short-circuit current.

Selected intrinsically safe equipment must be third party listed as intrinsically safe for the application, and have intrinsically safe entity parameters conforming with Table 1 below.

TABLE 1:
I.S. Equipment Associated Apparatus

V_{max} (or U_e) \geq Voc or U_r (or U_o)
I_{max} (or I_e) \geq I_{sc} or I_r (or I_o)
P_{max}, P_r \geq P_o

Ci + Cable \leq Ca (or Co)

Li + Cable \leq La (or Lo)

The module may also be connected to a simple apparatus as defined in Article 504.2 and installed and temperature classified in accordance with Article 504.10(D) of the National Electrical Code (ANSI/NFPA 70), or other local codes, as applicable.

IECEx Installation drawing – V4R0

For safe installation of 9107 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.

For installation in Zone 2 the following must be observed.

The 4501 programming module is to be used solely with PR electronics modules. It is important that the module is undamaged and has not been altered or modified in any way.

Only 4501 modules free of dust and moisture shall be installed.

9107BA: 1 channel HART-transparent driver
9107BB: 2 channel HART-transparent driver

IECEx Certificate: DEKRA DEK 11ATEX0247X

Marking 9107Bx II (1) G [Ex ia Ga] IIC/IIB/IIC
II (1) D [Ex ia Da] IIC
(M1) [Ex ia Ma] I

Marking 9107Ax, 9107Bx II 3 G Ex ec nC IIC T4 Gc

Standards: EN 60079-0 : 2018, EN 60079-11 : 2012, EN 60079-15 : 2019, IEC 60079-7 : 2015+A1:2017

Supply terminal (31,32)
Voltage: 19.2 – 31.2 VDC

Status Relay, terminal (33,34)
Voltage max: 125 VAC / 110 VDC
Power max: 62.5 VA / 32 W
Current max: 0.5 A AC / 1ADC

Supply terminal (31,32)
Voltage: 19.2 – 31.2 VDC

Status Relay, terminal (33,34)
Voltage max: 125 VAC / 110 VDC
Power max: 62.5 VA / 32 W
Current max: 0.5 A AC / 1ADC

Installation notes:
Install in pollution degree 2, overvoltage category II as defined in IEC 60664-1.

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

Do not mount or remove modules from the Power Rail when an explosive gas mixture is present.

Disconnect power before servicing.

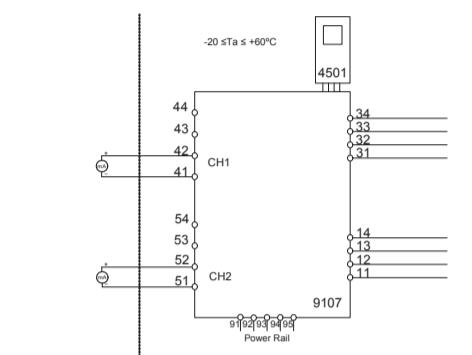
The wiring of unused terminals is not allowed.

In type of protection [Ex ia Da] the parameters for intrinsic safety for gas group IIB are applicable.

For installation in Zone 2, the module shall be installed in an enclosure in type of protection Ex n or Ex e, providing a degree of protection of at least IP54. Cable entry devices and blanking elements shall fulfill the same requirements.

For installation on Power Rail in Zone 2, only Power Rail type 9400 supplied by Power Control Unit type 9410 (Type Examination Certificate KEMA 07ATEX0152 X) is allowed.

Hazardous area
Zone 0,1,2, 20, 21, 22
Non Hazardous area
or Zone 2
(terminal 11,12,13,14)
(terminal 31,32,33,34)
(terminal 91,92,93,94,95)
Um: 253 V, max. 400 Hz



CH1 (terminal 41,42)
CH2 (terminal 51,52)
U_e: 28 V
I_e: 93 mA
P_e: 0.65 W

IIC	IIB	IIA	I
C _e : 0.080μF	0.650μF	2.15 μF	3.76 μF

L _e	4 mH	16 mH	32 mH	35 mH
C _e : 0.080μF	0.650μF	2.15 μF	3.76 μF	

9107Ax, 9107Bx Installation:
Hazardous area
Zone 2