



## Cisco IR1101 Industrial Integrated Services Router

For product information, refer to these URLs:

Pour obtenir de l'information sur le produit, utilisez les URL suivantes:



<https://www.cisco.com/c/en/us/support/routers/1100-series-industrial-integrated-services-routers/series.html>

### <製品使用における安全上のご注意>

シスコ製品をご使用になる前に安全上の注意をご確認ください。

<http://www.cisco.com/web/JP/techdoc/index.html>

接続ケーブル、電源コード、ACアダプタ、バッテリーなどの部品は、必ず添付品または指定品をご使用ください。添付品・指定品以外の部品をご使用になると故障や動作不良、火災の原因となります。また、電気用品安全法により、当該法の適合品 (PSEとコード、プラグ、コネクタに表記) でなくUL適合品 (ULまたはCSAマークがコードに表記) の電源ケーブルは弊社が指定する製品以外の電気機器には使用できないためご注意ください。i



## WARNING – EXPLOSION HAZARD – The area must be known to be nonhazardous before installing, servicing, or replacing the unit.

**Warning:** To prevent the system from overheating, do not operate it in an area that exceeds the maximum recommended ambient temperature of 140°F (60°C)

**Warning:** Use minimum 18-20 AWG (.75-.52mm<sup>2</sup>) twisted-pair supply wires suitable for 86°F (30°C) above surrounding ambient temperature outside the enclosure

**Caution:** When installed in a Class 1, Division 2 hazardous locations environment, equipment shall be installed in an enclosure suitable for the area. The enclosure shall be accessible by a tool only.

**Caution:** The equipment shall only be used in an area of at least pollution degree 2 as defined by EN 60079-0. In addition, the Equipment shall be installed in a certified enclosure that provides a degree of protection not less than IP 54 in accordance with EN 60079-0 (for ATEX) or UL 60079-0 (for US Zones) and is accessible by a tool only.

**Caution:** This equipment is suitable for use in Class 1, Division 2, Groups A, B, C, D, or only nonhazardous locations.

**Caution:** Airflow around the Router must be unrestricted. To prevent the Router from overheating, there must be a minimum of 1.0 in. (25.4 mm) around all surfaces of the Router. Contact your Cisco Technical Assistance Centre (TAC) if tighter spacings are required.

**Note:** This equipment is rated as follows: maximum operating range: 9.6V to 60V, marked 12-48Vdc, 2.8A.

**Note:** The maximum ambient operating temperature range is –40 to 140°F (–40 to 60°C).

# Hazardous Locations Standards and Marking Strings

<b>The following standards were used for the hazardous locations approvals and certifications:</b>
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UL 121201, Ed. 9
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CSA C22.2 No. 213 Ed. 3
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CAN/CSA C22.2 No. 60079-0:19, 4th Ed
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CAN/CSA C22.2 No. 60079-7:16
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EN IEC 60079-0:2018
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EN 60079-0:2018
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EN 60079-7: 2015+A1:2018
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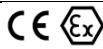
UL 60079-0, 7th Edition
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UL 60079-7, 5th Edition, 2017-02-24
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<b>The following hazardous locations strings are provided on the router, optional pluggable and expansion modules:</b>
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Class 1, Div 2, Groups A B C D
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Class I, Zone 2, Ex ec IIC T4 GcX
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 II 3G, Ex ec IIC T4 Gc
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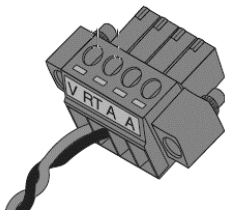
DEMKO 18 ATEX 2089X
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Class 1, Zone 2, Ex ec IIC T4 GcX
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# Connecting Ground and Power Connectors and Wires



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| 1. | Locate the ground lug in the packaging kit.  |
| 2. | Strip 14-18 AWG (2.08-1.31mm <sup>2</sup> ) ground wire to 0.22 in. (5.56mm).  |
| 3. | Insert the ground wire into lug and crimp.   |
| 4. | Insert the ground screws into the two screw positions (1) shown in the graphic and torque to 8-10 in-lb (0.9-1.1 N-m). |
| 5. | Attach other end of ground wire to grounded bare metal surface.  |



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| 1. | Review the power connections. From left to right: (V) +DC power, (RT) return DC power, (A) alarm common, (A) alarm input |
| 2. | Use 18-20ga twisted pair wires.  |
| 3. | Strip wires to 0.25in (6.3mm), but not more than 0.27in (6.8mm).   |
| 4. | Insert the DC wires as shown and torque to 2 in-lb (0.23 N-m). Ensure no wire lead is exposed.                           |
| 5. | Attach the other ends of the DC wires to the DC power source positive terminal and return terminal.                      |
| 6. | Use the same procedure for alarm wires.  |