

**Features**

- Locate an operator workstation up to 400 m from server or pc
- Operate keyboard, mouse, and monitor safely in a Div 2 hazardous area
- Automatic skew compensation
- Supports multimode fiber-optic cables

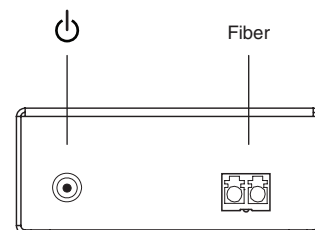
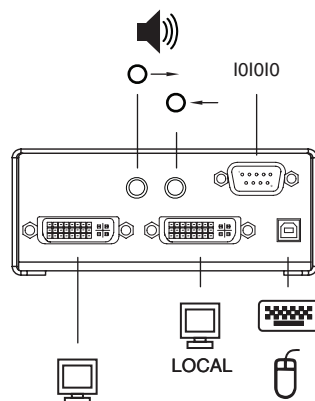
**Application**

The Pepperl + Fuchs KVM extender SK-KVM-xxx-FW-20-CR-N is a DVI to Fiber converter for use in Division 2 Hazardous areas. The system consists of two units, a transmitter and a receiver. The transmitter connects to your CPU. The receiver connects to a USB keyboard, DVI-D monitor, and USB mouse or KVM station. The transmitter and receiver are connected together with fiber optic cable.

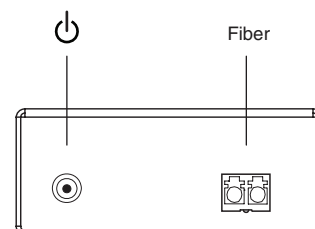
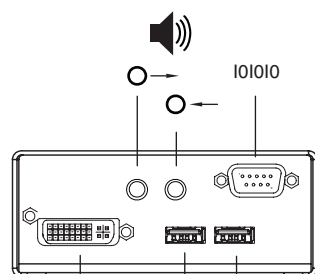


**Connection**

Transmitter



Receiver



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Subject to reasonable modifications due to technical advances.

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|                                   |  |
|-----------------------------------|--|
| <b>General specifications</b>     |  |
| Resolution                        | Maximum resolution: 1920 x 1200 @ 60 Hz  |
| Distance                          | 200 m (650 ft) 62.5 µm multimode<br>400 m (1300 ft) 50.0 µm multimode  |
| <b>Supply</b>                     |  |
| Power consumption                 | 5 V DC @ 10 W max  |
| <b>Indicators/operating means</b> |  |
| Indicators                        | Front panel: power<br>Video check: LED   |
| Input devices                     | 29-pin DVI-D<br>2 x USB Type A (keyboard and mouse/touchscreen)<br>1 x RS232 (touchscreen)<br>fiber optic (multi-mode) - LC connectors |
| <b>Serial data</b>                |  |
| Baud rate                         | 19.2 KBd max   |
| Flow control                      | RTS, CTS, DTR, DSR   |
| <b>Audio data</b>                 |  |
| Drive capability                  | 5 V p-p  |
| Impedance                         | 47 kΩ  |
| Connector type                    | 3.5 mm stereo jack   |
| Transmission method               | 16 bit, 38.4 KHz digitized audio   |
| Speaker                           | powered  |
| <b>Directive conformity</b>       |  |
| Electromagnetic compatibility     |  |
| Directive 89/336/EEC              | EN55022A, EN 55024, EN61000-3-2, EN61000-3-3, IEC6100-4-2, IEC6100-4-3, IEC6100-4-4, IEC6100-4-5                                       |
| Low voltage                       |  |
| Directive 73/23/EEC               | EN60950  |
| <b>Ambient conditions</b>         |  |
| Operating temperature             | 0 ... 50 °C (32 ... 122 °F)  |
| Storage temperature               | -25 ... 60 °C (-13 ... 140 °F)   |
| <b>Mechanical specifications</b>  |  |
| Mass                              | 0.3 kg   |
| Dimensions                        | 105 mm x 133 mm x 35 mm (4.1 in x 5.3 in x 1.4 in)   |
| <b>International approvals</b>    |  |
| UL approval                       | UL Class I/Div 2   |

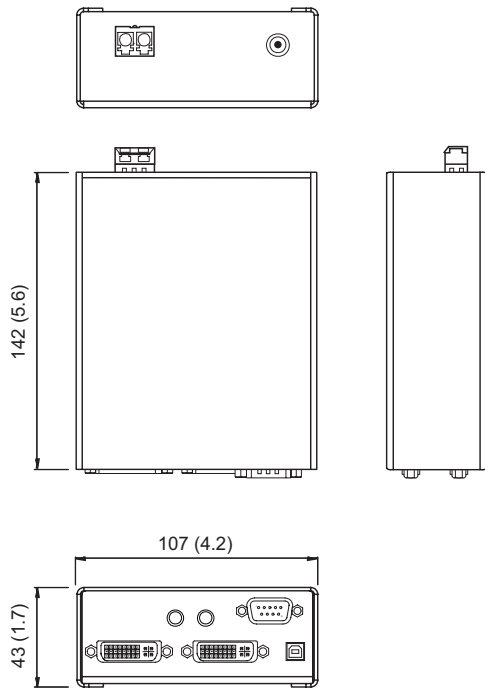
**Supplementary information**

Statement of Conformity, Declaration of Conformity and instructions have to be observed. For information see [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com).

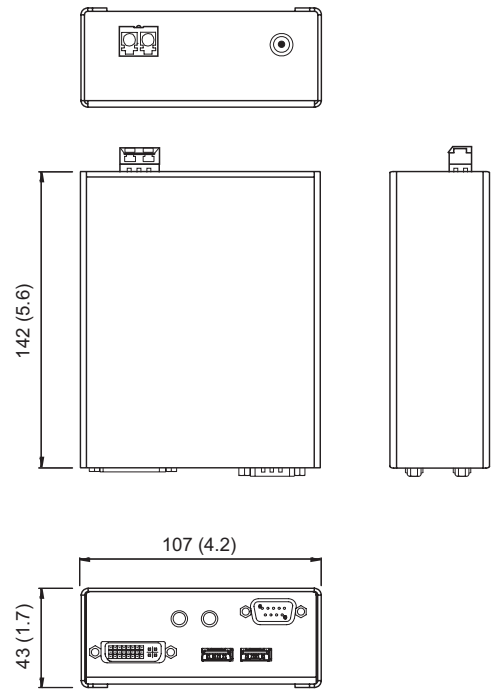
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Dimensions

Transmitter



Receiver



Type code

|   |   |   |   |   |   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|--|--|--|---|--|--|---|---|---|---|---|---|---|---|
| S | K | - | K | V | M | - |  |  |  | - |  |  | - | 2 | 0 | - | C | R | - | N |
|---|---|---|---|---|---|---|--|--|--|---|--|--|---|---|---|---|---|---|---|---|

CPU  
MON  
KIT

Transmitter  
Receiver  
Transmitter and receiver

NR  
CW  
FW

VGA signal over CAT5; PS2, Serial  
DVI signal over CAT5; USB, Serial  
DVI signal over fiber; USB, Serial