Div 2 KVM extender kit

SK-KVM-xxx-FW-20-CR-N Series

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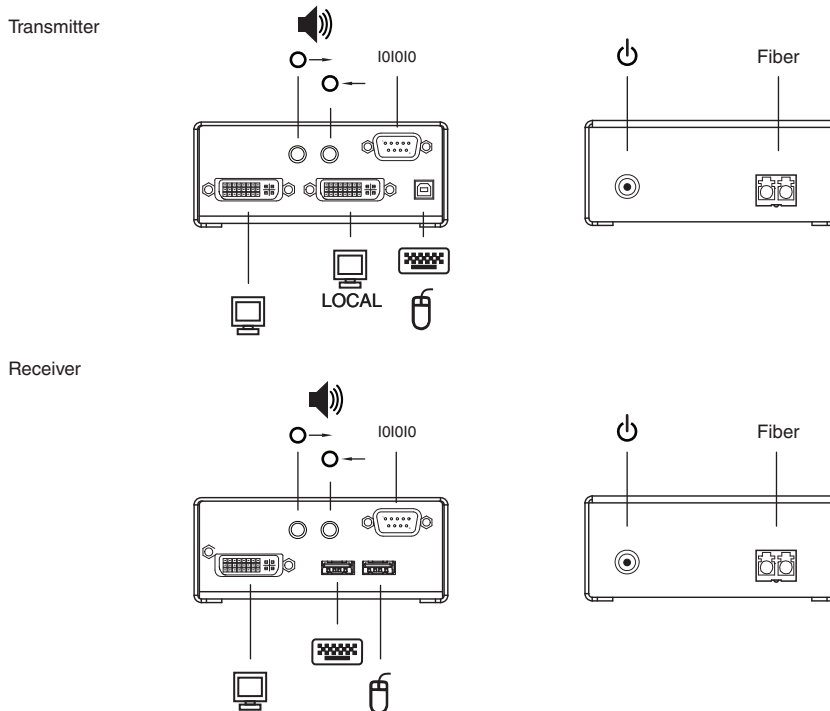■ Automatic skew compensation
■ Supports multimode fiber-optic cables

DVI to fiber KVM kit

Function

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

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

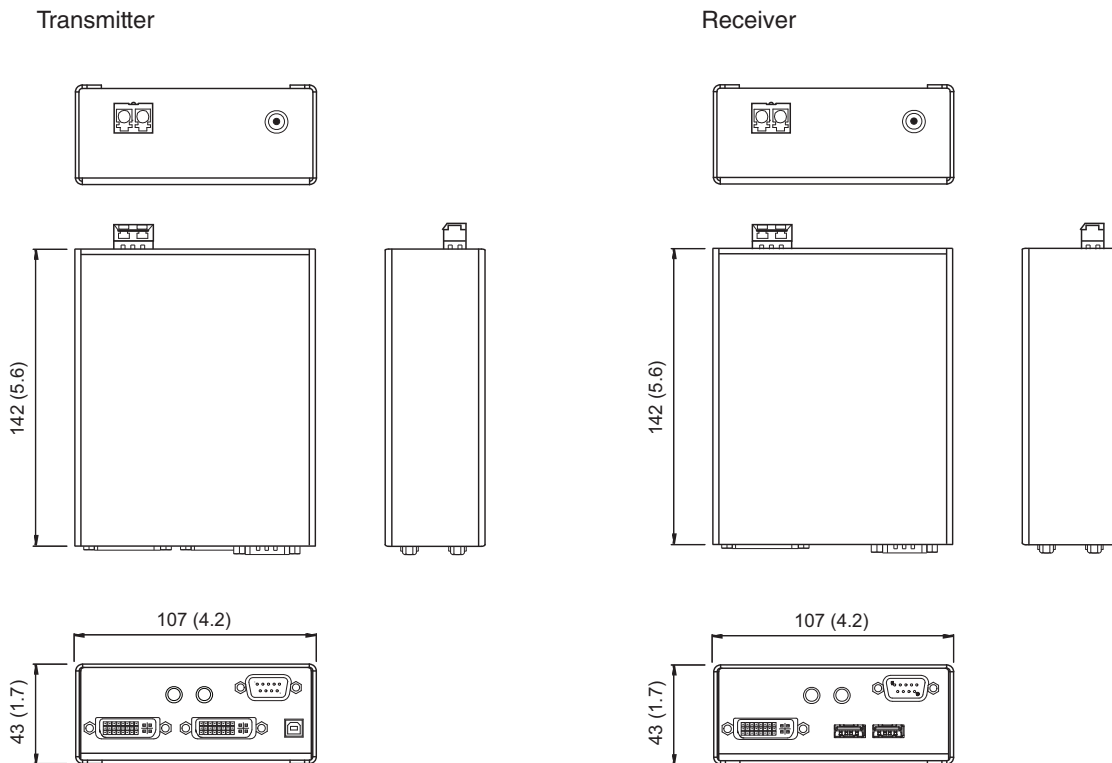Pepperl+Fuchs Group
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PEPPERL+FUCHS

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Dimensions

Transmitter

Receiver

107 (4.2)

142 (5.6)

43 (1.7)

107 (4.2)

142 (5.6)

43 (1.7)

Technical Data

General specifications

Resolution	Maximum resolution: 1920 x 1200 @ 60 Hz
Distance	200 m (650 ft) 62.5 µm multimode 400 m (1300 ft) 50.0 µm multimode

Supply

Power consumption	5 V DC @ 10 W max

Indicators/operating means

Indicators	Front panel: power Video check: LED
Input devices	29-pin DVI-D 2 x USB Type A (keyboard and mouse/touchscreen) 1 x RS232 (touchscreen) fiber optic (multi-mode) - LC connectors

Serial data

Baud rate	19.2 KBd max
Flow control	RTS, CTS, DTR, DSR

Audio data

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

Directive conformity

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

Ambient conditions

Operating temperature	0 ... 50 °C (32 ... 122 °F)
Storage temperature	-25 ... 60 °C (-13 ... 140 °F)

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Technical Data

Mechanical specifications

Mass	0.3 kg
Dimensions	105 mm x 133 mm x 35 mm (4.1 inch x 5.3 inch x 1.4 inch)

International approvals

UL approval	UL Class I/Div 2

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Type code

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

NR	VGA signal over CAT5; PS2, Serial
CW	DVI signal over CAT5; USB, Serial
FW	DVI signal over fiber; USB, Serial

CPU	Transmitter
MON	Receiver
KIT	Transmitter and receiver

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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