

Field Communication *commubox FXA 191*

**Intrinsically safe interface for Smart transmitters
Converts INTENSOR and HART protocols to
RS-232C signals**



Application

The Commubox FXA 191 connects intrinsically safe Smart transmitters with INTENSOR or HART protocol to the serial port of a personal computer. This allows the transmitters to be remotely configured using the Endress+Hauser operating program Commuwin II.

A slide switch is used to switch protocols (factory setting INTENSOR).

The Commubox is powered over the serial port. If the computer, e.g. a notebook or laptop, is unable to supply enough power, the Commubox can be supplied with an external power pack.

Features and Benefits

- Simple connection of HART and INTENSOR transmitters to a personal computer
- Intrinsically safe input
- Powered from serial interface
- Suitable for Commuwin II operating program.

Technical Data

- Power supply:
Either from RS-232C port or external power pack (accessory)
- Electrical Connection:
9-pin DIN female connector for computer; 4 mm plug terminals for transmitter, polarity protected, supply (optional): clinch socket, 9 VAC/VDC, polarity protected
- Intrinsic safety: [EEx ia] IIC BVS 95.D.2060 X for connection to intrinsically circuits EEx ia IIC with voltages up to 30 V
- Ambient conditions:
Operating range: -20°C...+50°C
Storage: -40°C...85°C
Humidity: 0%...95% (no condensation)
- Dimensions:
Housing: 143 x 60 x 30 mm
plastic housing for industrial use

Endress + Hauser

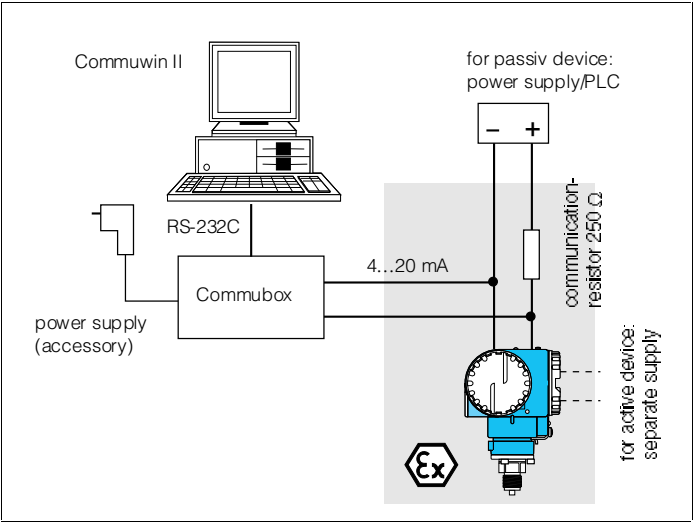
Nothing beats know-how



Electrical Connection

Set-Up

- Set slide switch to INTENSOR or HART operation.
- For HART/INTENSOR operation, a load of 250 Ω must be present in the circuit.
- The maximum load is determined by the Smart transmitter specification.



Connection to a single transmitter with INTENSOR or HART protocol

Product Structure

Commubox FXA 191		
Certificate G CENELEC, [EEx ia] IIC P FM, AIS/Class I, II, III/Groups A to G S CSA, Class I, II, III/Groups A to G [Ex ia] V RIIS [Ex ia] IIC (in preparation) ↓		
FXA191-	1	product designation
Accessory Separate power pack 230V, 50/60 Hz		016768-0000

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