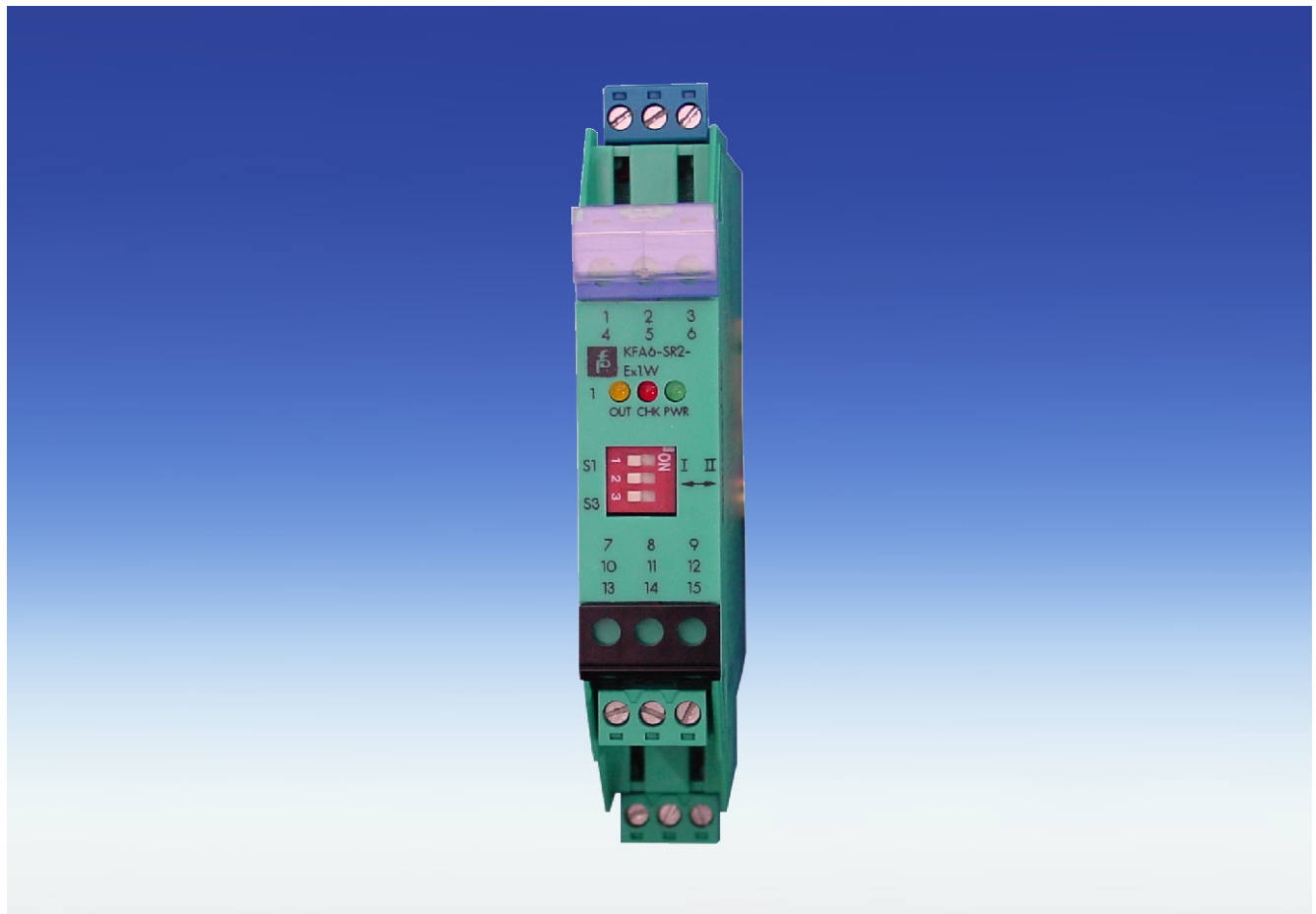


Controllers for Level- / Temperature Switch - ATEX



A variation of controllers is available for the control of level and temperature in hydraulic applications.

Single channel controller types KFD/KFA for intrinsically safe circuits with one or two alarm relays (change over contact), broken wire detection, 3 respective 5 LEDs for status indication on power, alarm and broken wire.

The devices must be installed outside the hazardous area!

- Rail mounting according to EN 50022
- Intrinsically safe inputs
- Approved by ATEX, FM, UL, CSA

Technical Data Controller

for use with trigger contact ; output one or two change over contacts

Power supply:	20 - 30 V DC	103,5 - 126 V AC 45 - 65 Hz	207 - 253 V AC 45 - 65 Hz
Model, 1-channel: part no:	KFD 2-SR2-Ex 1.W 91 000 700 04	KFA 5-SR2-Ex 1.W 91 000 700 05	KFA 6-SR2-Ex 1.W 91 000 700 06
Model, 2-channel: part no:	KFD 2-SR2-Ex 2.W 91 000 700 18	KFA 5-SR2-Ex 2.W 91 000 700 19	KFA 6-SR2-Ex 2.W 91 000 700 20

General Data

Intrinsically safe acc. to	EN 60079-11	Output	change over (non fail-safe)
broken wire detection	yes		
approved by	 II(1) GD [Eex ia] IIC	Switch power output	230 V AC, 2A cos φ > 0.7 40 V cc, 2A resistive load
UL	Class I, Groups A, B, C, D Class II, Groups E, F, G	Ambient temperature	-20 ... +60 °C
CSA	Class I, Div. 1, Groups A, B, C, D Class II, Div. 1, Groups E, F, G	Protection class	IP 20
		Dimensions WxHxD (in mm)	20 x 118 x 115

Technical Data Controller (4-20mA)

for use with Pt100

Setting 4-20mA output with connection cable by PC and RS232-interface.

The controller is adjusted ex works: 4mA $\cong$ 0°C ; 20mA $\cong$ 100°C.

When using long operating cables, the device has to be re-adjusted at users site (cable resistance).

Model:	KFD2-UT-Ex 1		
Power supply:	20...35 V DC		
Part no:	18 01 099	Controller	18 01 299
	18 01 199	Adapter cable	18 01 399
			Software for calibration
			Software-licence

General Data

Intrinsically safe acc. to	EN 50 020	Output	4-20 mA (non fail-safe)
broken wire detection	yes	Failure message	2 mA
Approved by	 BAS 01 ATEX 7256 II(1) GD [Eex ia] IIC	Load	$\leq 500 \Omega$
CSA	Class I, Div. 1, Group A - G Zone 0, IIC	Ambient temperature	-20 ... +60 °C
FM	Class I, Div. 1, Group A - G Zone 0, IIC	Protection class	IP 20
		Dimensions WxHxD (in mm)	20 x 118 x 115