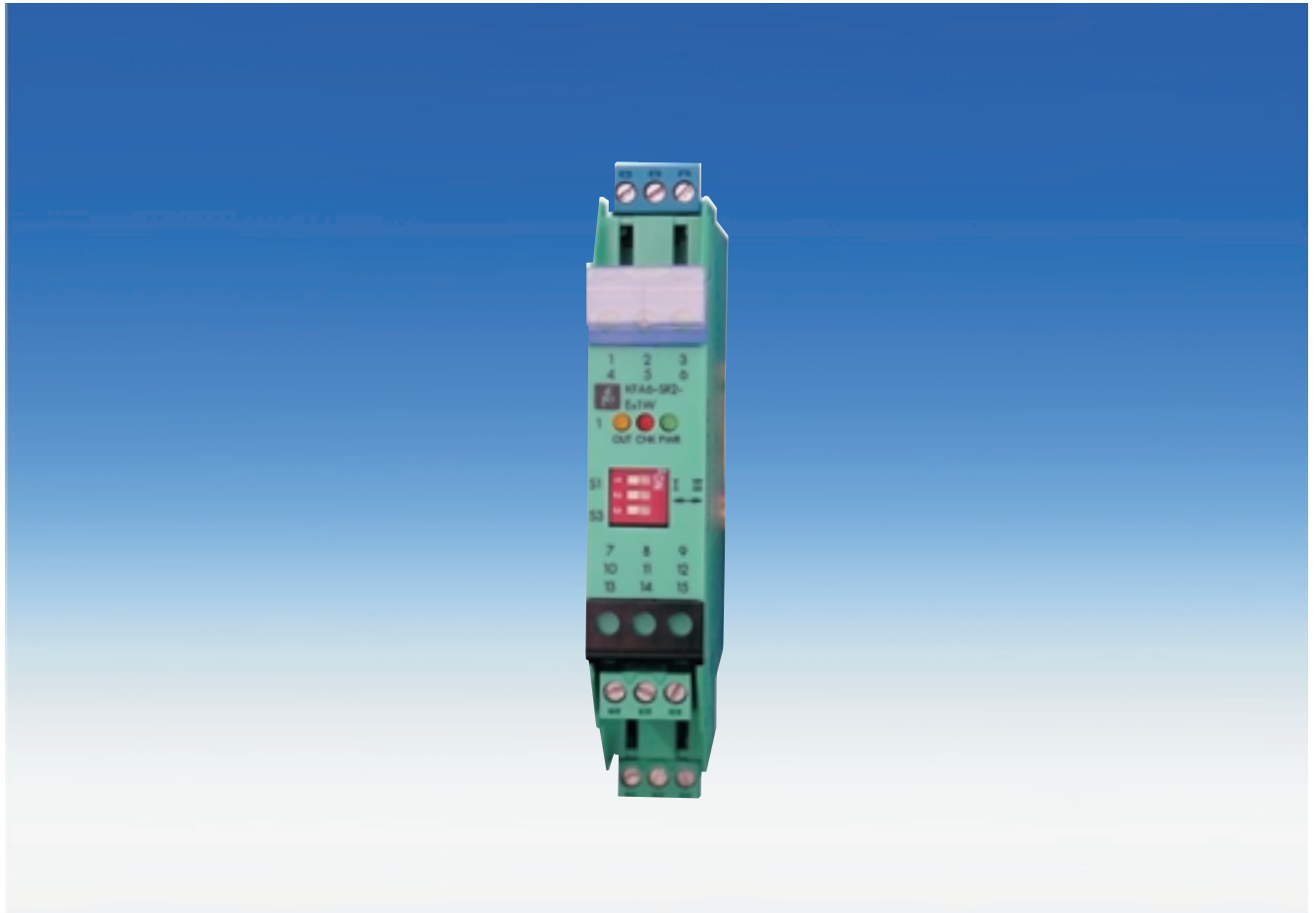


Controller switch for level and temperature - ATEX



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 for installation outside the hazardous area


- **rail mounting according to DIN 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
type, 1-channel:	KFD 2-SR2-Ex 1.W	KFA 5-SR2-Ex 1.W	KFA 6-SR2-Ex 1.W
part no:	91 000 700 04	91 000 700 05	91 000 700 06
type, 2-channel:	KFD 2-SR2-Ex 2.W	KFA 5-SR2-Ex 2.W	KFA 6-SR2-Ex 2.W
part no:	91 000 700 18	91 000 700 19	91 000 700 20

general data:

output (non fail-safe)	: change over	intrinsically safe acc. to	EN 50 020
switch power output	: 230 V AC, 2A cos φ > 0,7 40 V DC, 2A resistance load	broken wire detection	yes
ambient temperature	: -20...+60°C	approved by	 II(1) GD [Eex ia]IIC
protection class	: IP 20		UL Class I Groups A, B, C, D Class II Groups E, F, G
dimensions	: BxHxT (in mm) 20x118x115		CSA Class I, Div. 1 Groups A, B, C, D Class II, Div. 1 Groups E, F, G

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.

By using of a long operating cable, the adjustment have to be effected at users site (cable resistance).

type:	KFD2-UT-Ex 1
power supply:	20...35 V DC
part no:	18 01 099 controller 18 01 199 adapter cable 18 01 299 software for calibration 18 01 399 software-licence

general data:

output (non fail-safe) load	4-20mA failure message 2mA $\leq 500 \Omega$	intrinsically safe acc. to	EN 50 020
ambient temperature	-20...+60°C	broken wire detection	yes
protection class	IP 20	approved by	BAS 01 ATEX 7256 II(1) GD [Eex ia]IIC  CSA Class I, Div. 1 Group A - G Zone 0, IIC
dimensions	BxHxT (in mm) 20x118x115		FM Class I, Div. 1 Group A - G Zone 0, IIC