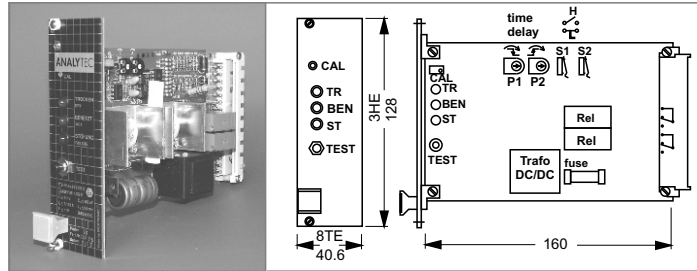


Controller

Controller and power supply for Optoelectronic Transducers
 Type 720.0032/0042/06XX
 Separate relays and indications for DRY/WET
 Continuous self checking of sensor, connections and controller
 Manual Test of relay and external signal devices by TEST-button

Product group	720	
Type	250Y	
Sheet:	1/1	Revision: 7
Date:	2/05	



Type 19"-plug in module. Rack connector 32-pole DIN 41612 Form F. Switches for setting of switch direction and time delay. Pots for time delay are protected. Cal pot and TEST button are on front panel.

Field of application

The Controller will be operated in safe area. The output is intrinsically safe Ex ib IIC and for use with the transducer Type 720.06XX only.

General Data

- Function modes: Switch direction H or L settable
 Rise and falltime for relay signal settable appr. 8 s
- Fail safe modes: Short circuit, open circuit interruption between sensor and controller voltage failure, sensor component failure

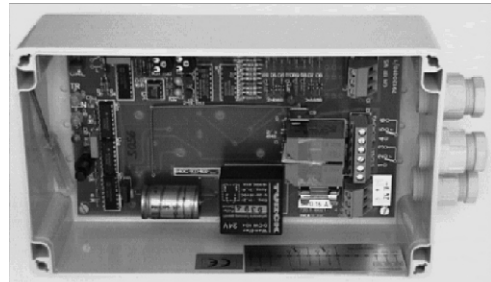
Design Data

- Ambient temperature
 19"-plug in module: -25 to +60 °C
 Housing: -40 to +40 °C
- Weight
 19"-plug in module: 0,31(0,36) kg
 Housing: 0,6 (0,73) kg

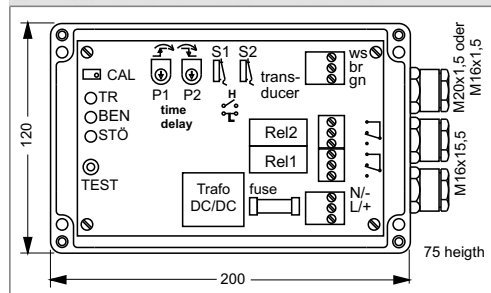
- Controller output: II (2) G [Ex ib] IIC
 Inductivity Lmax: 0.5 mH
 Capacity Cmax: 3 µF
 U: 9.6 V
 I: 149 mA
 P: 1.0 W

Electrical Data

- Power supply voltage: 230/115/120/24 V~/24 V=
 Power consumption: 2,8 VA/3 W
 Outputs: Signal-Relay, SPDT, 250 V/3 A/100 VA
 Failure-Relay, SPDT, 250 V/3 A/100 VA
- Cable glands: M16x1,5/M20x1,5 blue for Ex
 Wire cross section max.: 2,5 mm²
 Cable length: 175 - 600 m for 0.5 - 1.5 mm²
 Ingress protection EN 60529:
 19"-plug in module: IP 20
 housing: IP 65

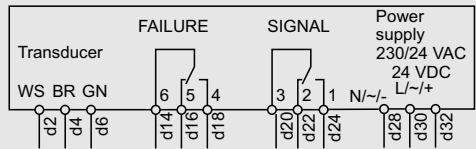


Housing Type. The housing is covered with a transparent lid, so that LEDs for DRY, WET and FAILURE can be seen. Ingress protection IP65 ensures that this controller can be used outside.



Measures in mm

Connection Diagram



Certificates

EC-Type Examination Certificate: ZELM 02 ATEX 0106 (also valid for ASEV)
 SIL level acc. to IEC 61508: SIL1, in connection with transducer type 720.06XX

Subject to alterations

Ordering No.

7 2 0 . 2 5 0 Y . X X

Type	Standard	1			
	Ex	2			
Supply	230 V/50...60 Hz		1		
	115/120 V/50...60 Hz		2		
	24 VAC/50...60 Hz		3		
	24 VDC with isolation		4	1	Plastic housing
	24 VDC without isolation		7	7	19"-plug-in module
					Housing

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