

PSIA DSIA

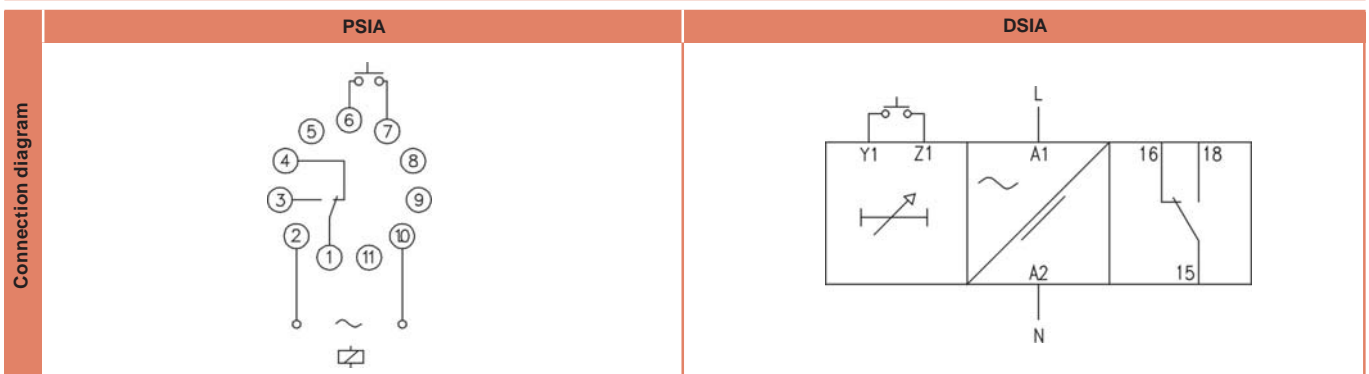
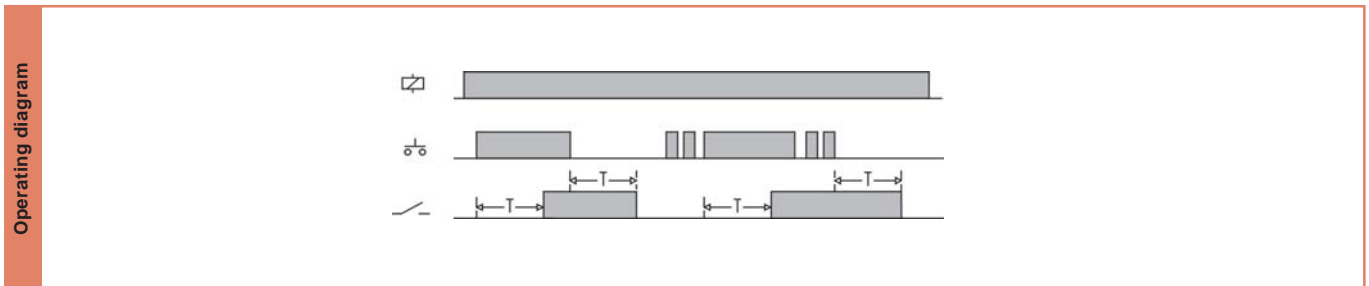


TIMING CONTROL FOR LEVEL SENSORS

Field of application	<ul style="list-style-type: none"> Control of the detection in liquids with turbulences. Delay on the level detection. Differential control of max. and min. level by time.
Operating principle	<p>When the supply voltage is connected, this has no effect on the system.</p> <p>When the contact of the level sensor is activated, the time pre-set in the upper button (on delay) starts up. When this time has passed the relay operates. When the contact is deactivated, the time pre-set in the lower button (off delay) starts up. When this time has passed the relay releases.</p>
Type of contact	The succession of pulses coming from the level sensor with a cadence less than the pre-set time, brings about the reset of the time circuit.
Leds indication	Potential-free contact. The equipment provide a voltage of 24VDC 2,4mA to be running along the contact.
Repeatability	Power ON: Green
Repeating	Relay ON: Red
Precision	± 1%
Reset	± 2%
	By disconnecting the supply voltage for longer than 60 ms

Reference	HOUSING		FUNCTION		OUTPUT		SUPPLY		RANGE										
	P	D	SI		A		724	024	048	110	230	400	U24	901	902	1S	3S	15S	60S
	Plug-in	DIN rail	Control of sensors		SPDT		24 VDC	24 VAC	48 VAC	110..125 VAC	220..240 VAC	380..415 VAC	24 VAC/DC	15..70 VAC/DC	60..240 VAC/DC	0,1..1 S	0,3..3 S	0,15..15 S	0,6..60 S

To compose the reference, select one option of each column. Example: **PSIA 724 15S**



		PSIA	DSIA
Output relays	Resistive load	AC	10 A / 250 V
		DC	0,4 A / 200 V
	Inductive load	AC	10 A / 24 V
		DC	5 A / 250 V
	Mechanical life		> 30 x 10 ⁶ operations
	Max. switching rate, mech.		> 30 x 10 ⁶ operations
	Electrical life at full load		72.000 operations / hour
			72.000 operations / hour
			360 operations / hour
			360 operations / hour
	Contact material		AgNi 90/10
	Maximum voltage		440 VAC
	Operating voltage		250 VAC
Volt. between changeovers		2500 VAC	
Voltage between contacts		2500 VAC	
Voltage coil/contact		1000 VAC	
Distance coil/contact		5000 VAC	
Isolation resistance		10 mm	
		> 10 ⁴ MΩ	
		> 10 ⁴ MΩ	

Supply	CA		CC		CACC	
	PSIA	DSIA	PSIA	DSIA	PSIA	DSIA
	Galvanic isolation		Yes	No	9XX: Yes ~ UXX: No	
	Frequency		50 / 60 Hz	-	-	
	Operating margins		±10% -15%	±10%	±10%	
	Positive		-	Terminal 2	Terminal 2	
	Protected polarity		-	Sí	Sí	

Constructive and environmental data	PSIA	DSIA	
	Voltage phase-neutral	300 V	300 V
	Overvoltage category	III	III
	Rated impulse voltage	4 kV	4 kV
	Pollution degree	2	3
	Protection	IP 20 B	IP 20
	Approximate weight	250 g	280 g
	Storage temperature	-50°C +85°C	-50°C +85°C
	Operating temperature	-20°C +50°C	-20°C +50°C
	Humidity	30~85% HR	30~85% HR
	Housing	Cyclopol - Light grey	Cyclopol - Light grey
	Socket	Lexan - Light grey	-
	Leds cover	Lexan - Transparent	Lexan - Transparent
	Button, terminal block, clip	Technyl - Dark blue	Technyl - Dark blue
	Pins of the socket	Nickel-plated brass	-
Pins of the terminal block	-	Brass	
Approvals	Designed and manufactured under EEC standards. Electromagnetic compatibility , directives 89/366/EEC and 92/31/EEC. Electric safety, directive 73/23/EEC. Plastics: UL 91 V0		

Dimensions	PSIA	DSIA

Rev. 01 - 06/06/08 - DISIBEINT reserves the right to modify the specifications stated in this document without previous notice