



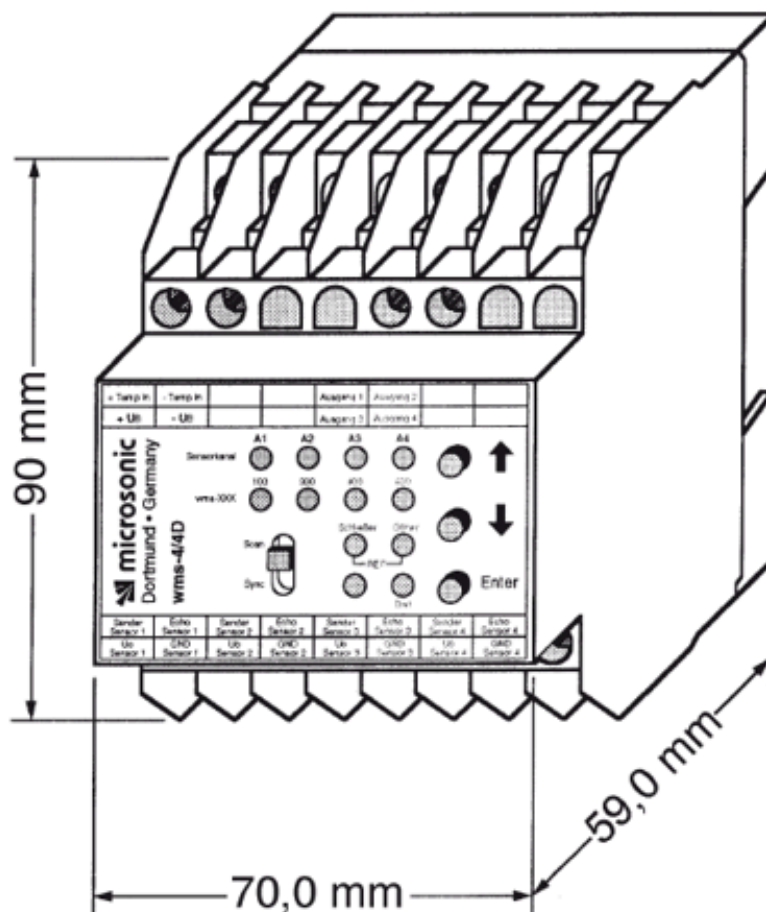
extract from our online catalogue:

wms-4/4D/251/Y1

current to: 2026-09-21

wms-4/4D/251/Y1

scale drawing



Successor model available

please inquire

4x  4 x pnp

design

cuboidal

operating mode

evaluator

particularities

archive sensor
for sensors wms-251/RT and wms-501/RT

Ultrasonic-Specific

means of measurement

echo propagation time measurement

resolution

0.36 mm

reproducibility

± 0.15 % in scan (multiplex) mode, ± 0.45 % in synchronous mode

accuracy

temperature drift 0.17 %/K

Electrical Data

operating voltage U_B	20 - 30 V d.c., reverse polarity protection
voltage ripple	$\pm 10 \%$
no-load current consumption	$\leq 50 \text{ mA}$ (without sensors)
type of connection	screw terminals, wire cross-section 1.5 mm^2

outputs

output 1	switching output pnp: $I_{\max} = 500 \text{ mA}$ ($U_B - 2V$) NOC/NCC adjustable, short-circuit-proof
Ausgang 2	switching output pnp: $I_{\max} = 500 \text{ mA}$ ($U_B - 2V$) NOC/NCC adjustable, short-circuit-proof
Ausgang 3	switching output pnp: $I_{\max} = 500 \text{ mA}$ ($U_B - 2V$) NOC/NCC adjustable, short-circuit-proof
Ausgang 4	switching output pnp: $I_{\max} = 500 \text{ mA}$ ($U_B - 2V$) NOC/NCC adjustable, short-circuit-proof

Inputs

input 1	control input
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housing

material	plastic with 24 screw terminals, suitable for top-hat rail mounting to DIN EN 50022-35
ultrasonic transducer	polyurethane foam, epoxy resin with glass contents
class of protection to EN 60529	IP 20
operating temperature	-20°C to $+70^\circ\text{C}$ non-condensing
storage temperature	-40°C to $+85^\circ\text{C}$
weight	200 g

Technical Features/Characteristics

temperature compensation	no
controls	3 push-buttons, 1 slider switch on front
scope for settings	at the evaluator
synchronization	yes
multiplex	yes
indicators	4 x LED yellow: object in the window, 7 x LED green: status and programming
particularities	unklar