

US30



95B040070

US30-PR-5-N13-VH
ULTRASONIC SENSOR

OVERVIEW

- Digital bipolar PNP/ NPN NO /NC configurable output model
- Digital and 0-10 V / 4-20 mA configurable analogue output model
- Operating range of 200 mm...8m
- Minimum resolution: 1 mm
- Analogue output Linearity: +/- 0.2% of span from 200 to 8000 mm; +/- 0.1% of span from 500 to 8000 mm (1 mm minimum)
- Minimum window size: 20mm
- Repeatability: 1 mm
- Hysteresis: 5 mm
- Response Time: 100 ms to 1600 ms
- DIP SWITCH selectable
- Access to bank of 8 DIP switches through sealed cover for superior user functionality
- Fast, easy-to-use REMOTE TEACH - Mode programming; no potentiometer adjustments
- Wide operating range of -20° to +70°C with compensation function
- Rugged encapsulated design for harsh environments
- Unique housing design allows for multiple mounting configurations
- Euro-style quick-disconnect fitting

TECHNICAL FEATURES

Detection properties

Nominal sensing distance

1 m

| | |
|------------------------|----------|
| Sensitivity adjustment | Teach-in |
|------------------------|----------|

Application

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|-------------|--------------------------------|
| Description | M30 tubular - lateral emission |
|-------------|--------------------------------|

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|-----------|---------------------------------|
| Functions | Object detection/distance meas. |
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Outputs

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|-------------|--------|
| Output type | 0-10 V |
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|---------------|--------|
| Response time | 50,000 |
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Electrical data

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|-------------------|-----------|
| Operating Voltage | 10-30 VDC |
|-------------------|-----------|

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|----------|--------|
| Emission | 224kHz |
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Mechanical data

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| Dimensions | Ø30x45 |
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|----------|---------------|
| Material | Plastic - PBT |
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|-------------|-----|
| Connections | M12 |
|-------------|-----|

Generical Data

| | |
|------------|--------|
| Dimensions | Ø30x45 |
|------------|--------|

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