

Blocked Chute Detector

NI-MW

Data sheet

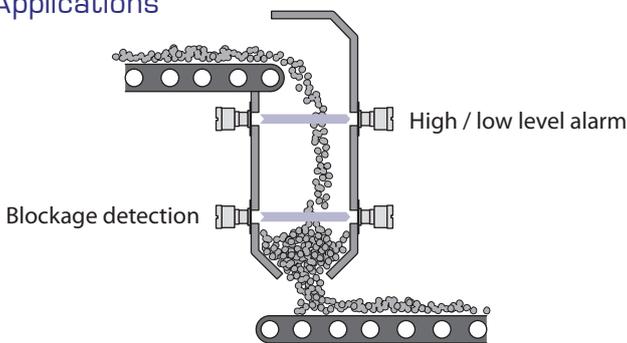
Product overview

The NEWCO Instruments NI-MW is a non-contact microwave blocked chute detector with a maximum range of 15 m (49.2 ft). Pulses of microwave energy are emitted from the transmitter and are detected by the receiver mounted in-line. When the line of sight is clear, the receiver will detect each of these pulses. If the line of sight is interrupted by sufficiently reflective or absorbent material, the receiver will not detect the microwave energy, and can switch a relay for indication or control purposes. Settings for sensitivity and time delays allow the user to customize according to their specific application.

Features

- o 15 m (49.2 ft) range
- o Not affected by dust or particle build-up
- o 110 or 220 V ac and 24 V dc power supply
- o Configurable relay output with on / off delay (0...30 seconds)
- o Adjustable gain setting
- o Easy set-up and operation

Applications

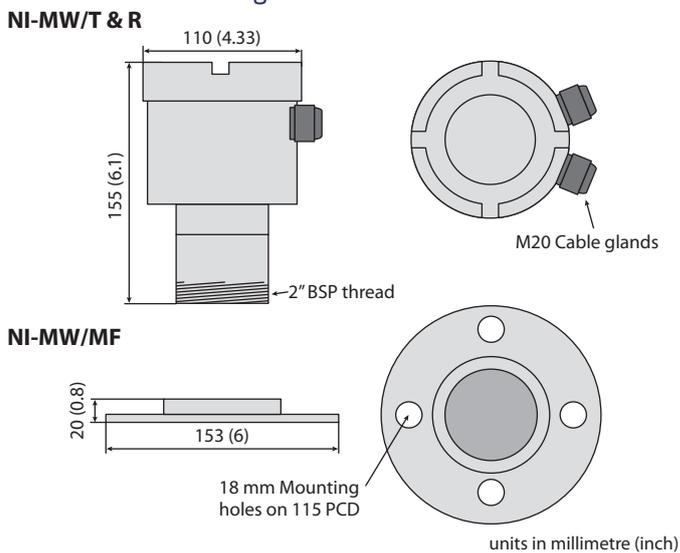


Quick, reliable, blockage detection

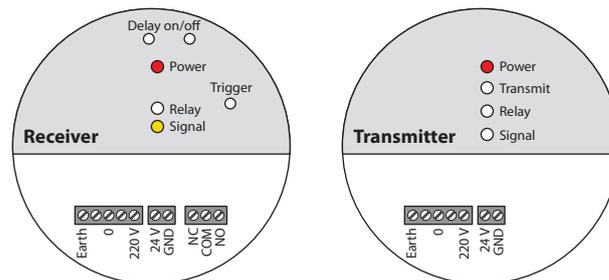
Technical specifications

Performance data	
Sensing range	0.5...15 m (1.6...49.2 ft)
Operating frequency	24 GHz
Power density	> 0.05 mW / cm ²
Update rate	100 readings / second
Technical data	
Power supply	220 V ac / 110 V ac and 24 V dc
Current consumption	70 mA
Output	
Relay	8 A
Mechanical data	
Weight	NI-MW/T & /R: 2.9 kg (6.4 lb), NI-MW/MF: 2.4 kg (5.3 lb)
Connection	M20 cable gland
Housing material	Powder coated mild steel
Environmental data	
Operating temperature	-20°C...+60°C
Pressure	Atmospheric
Enclosure rating	IP65

Dimension drawings



Connections



Warranty and liability statement

This product is subject to the normal terms, conditions, warranties and disclaimers of NEWCO Instruments, its distributors and representatives.

Product order code

Blocked chute detector transmitter	NI-MW/T
Blocked chute detector receiver	NI-MW/R
Flanged mounting bracket set	NI-MW/MF

AGENT DETAILS

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