

Controllers and Displays

Whether you're monitoring liquid or solid material levels in tanks, reservoirs, or any other industrial application, our range of products ensures seamless data collection and monitoring. Our controllers offer precise control and automation, while our displays provide real-time data for easy interpretation. With our cellular gateways, you can access sensor data remotely, ensuring you're always informed, no matter where you are.

Product	Display	Inputs	Communication	Relay	Supply Voltage
Cellular Gateway	Remote via Sensor Access Website	Eight (8) Sensors with RS485 or One (1) Sensor with RS232	Wireless via Cellular Network	None	12-30 VDC Power
Remote Dry Contact Monitor	Remote via Sensor Access Website	One (1) Dry Relay or Switch Contact	Wireless via Cellular Network	None	12-30 VDC Power
Relay Controller	LCD with LED Indicators	One (1) Sensor with 4-20 mA Output	None	Three (3) or Six (6) Relay	12-30 VDC Power (3-wire) 115 VAC Power (4-wire) 230 VAC Power (4-wire)
Wall Mount Display	3 Digit LCD	One (1) Sensor with 4-20 mA Output	None	None	Loop-Power from Sensor
Sensor Mount Display	4 1/2 Digit LCD	One (1) Sensor with 4-20 mA Output	None	None	Loop-Power from Sensor

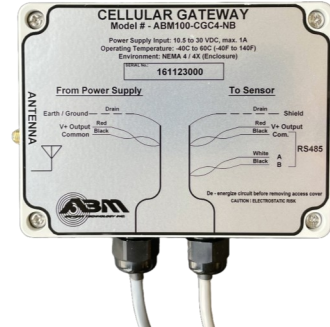
Cellular Gateway



The Cellular Gateway enables new or existing ABM level sensors to connect to the ABM servers for remote monitoring, control and 24/7 online virtual support.

Features

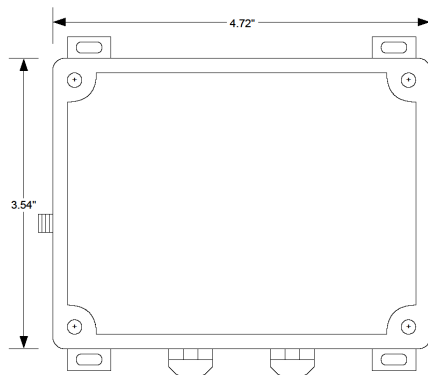
- Remote monitoring for any ABM level sensor with RS232 or RS485
- Wireless communication via cellular network
- Web-based ABM Sensor Access portal for monitoring, configuration and alarm via email message setup
- Up to five (5) alarm types per sensor by email application
- Low-power feature for extended battery life
- NEMA 4 / 4X enclosure, suitable for outdoor installation
- Optional explosion proof approvals - Class I Division 1 (CID1)



Technical Data	
Input:	Eight (8) sensors with RS485 or one (1) sensor with RS232
Output:	Cellular data transmission to ABM servers
Configuration:	Remote via Sensor Access website
Temperature:	-40 to 60°C (-40 to 140°F)
Antenna:	Detached magnetic base antenna or side mounted antenna
Enclosure:	NEMA 4 / 4X, wall mountable

Catalogue Number Ordering		
Supply Voltage:	10.5-30 VDC Power (Battery) 12-30 VDC Power	100 300
Product:	Cellular Gateway	CG
Communication Input:	RS232 RS485	C2 C4
Enclosure:	No Voltage Boost Voltage Boost	NB VB
Optional Approvals:	Explosion Proof (CID1)	EXP

Dimensions



Model:	ABM	---	-	CG	--	-	--	-	---
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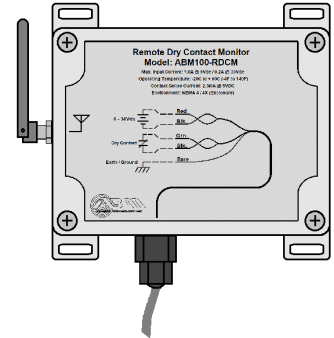
Remote Dry Contact Monitor



The Remote Dry Contact Monitor (RDCM) is designed to monitor a single dry relay or switch contact and reports its status to the ABM Sensor Access server. Users can login to the ABM Sensor Access server to configure their monitor, view alarm history and setup emails to receive alarm messages.

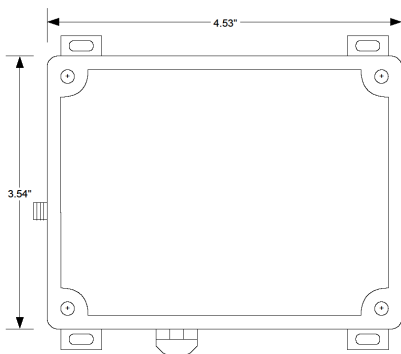
Features

- Remote monitoring for single dry relay or switch contact
- Wireless communication via cellular network
- Web-based ABM Sensor Access portal for monitoring, configuration and alarm via email message setup
- NEMA 4 / 4X enclosure, suitable for outdoor installation



Technical Data	
Supply Voltage:	12-30 VDC Power
Input:	Single dry relay or switch contact
Current:	2.3 mA @ 5 VDC
Output:	Cellular data transmission to ABM servers
Configuration:	Remote via Sensor Access website
Temperature:	-40 to 60°C (-40 to 140°F)
Antenna:	Detached magnetic base antenna or side mounted antenna
Enclosure:	NEMA 4 / 4X, wall mountable

Dimensions



Model:	ABM	100	-	RDCM
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Relay Controller



The Relay Controller provides a simple and low cost means of monitoring ABM's radar and ultrasonic level sensors and controlling pumps and alarms according to the level measured.

Features

- Pump control and alarms applications
- Connects with ABM level sensors via 4-20 mA output
- Wall mountable for convenient measurement readout
- Three (3) or six (6) relay options
- Simple push-button programming
- Ingress protection IP66 rating (NEMA 4X)

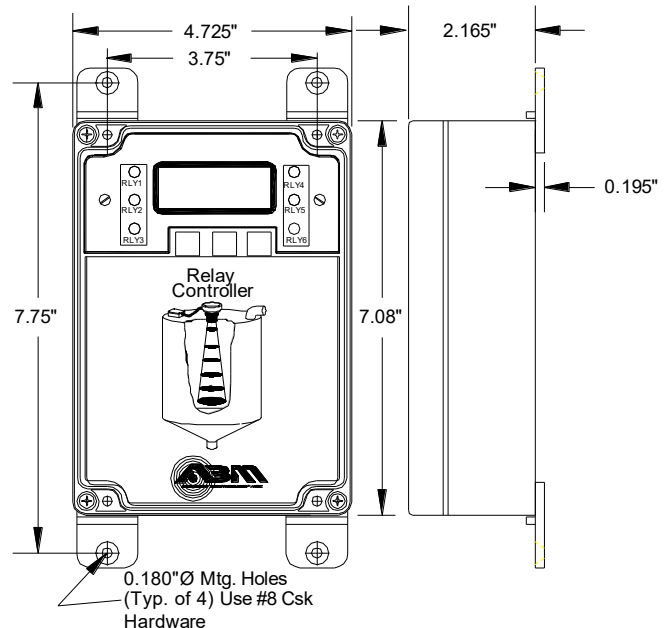


Technical Data	
Display:	LCD display and LED indicators (3 or 6)
Display Units:	Percentage (%)
Display Range:	100% @ 20 mA, 0% @ 4 mA
Input:	One (1) sensor with 4-20 mA output
Relays:	<p>Three (3) Relays: 2 relays each with a form A normally open contact. 1 relay with a form C contact.</p> <p>Six (6) Relays: 4 relays each with a form A normally open contact. 2 relays with a form C contact.</p>
Contact Rating:	8A at 240 VAC non-inductive
Configuration:	Three (3) push-buttons for programming
Temperature:	-20 to 50°C (-5 to 122°F)
Humidity:	0 - 95% non-condensing
Current:	0 to 25 mA (max. overload 70 mA)
Enclosure:	NEMA 4X / IP66, wall mountable

Catalogue Number Ordering

Supply Voltage:	12-30 VDC Power (3-wire)	300
	115 VAC Power (4-wire)	400
	230 VAC Power (4-wire)	430
Relays:	Three (3)	3
	Six (6)	6
Product:	Relay Controller	RCON

Dimensions



Model:	ABM	- - -	-	-	RCON
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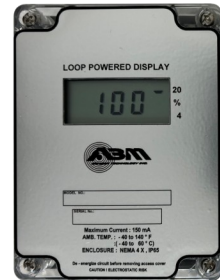
Wall Mount Loop-Powered Display



The Wall Mount loop-powered display can be installed in any location for convenient readout of the current level measurement from an ABM ultrasonic or radar level sensor.

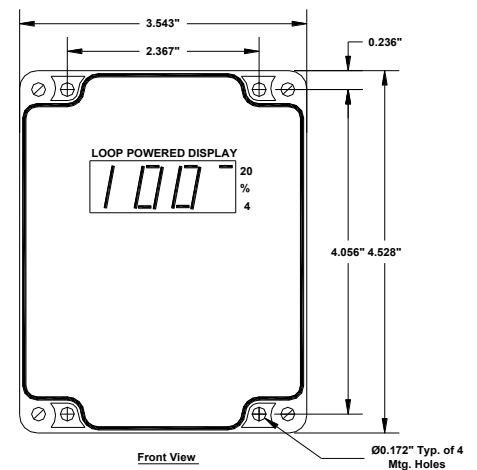
Features

- Level data display (% , meters, feet, gallons, liters)
- Connects with ABM level sensors via 4-20 mA output
- Wall mountable for convenient measurement readout
- Three (3) digit LCD display
- Ingress protection IP65 rating (NEMA 4X)



Technical Data	
Display:	3 digit LCD 1/2" (12.7 mm) high
Display Units:	Percentage (%), meters (m), feet (ft) or user defined
Display Range:	Normal mode 100% @ 20 mA and 0% @ 4 mA Reverse model 100% @ 4 mA and 0% @ 20 mA 22 mA and above = LOE (Loss of Echo)
Accuracy:	Reading +/- 0.5%
Range:	3.5 mA to 22 mA
Maximum Current:	150 mA
Voltage Drop:	0.95V @ 20 mA
Temperature:	-40 to 60°C (-40 to 140°F)
Humidity:	0 - 95% non-condensing
Enclosure:	NEMA 4X / IP65, wall mountable

Dimensions



Model:	LPD	-	WM	-	02
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Sensor Mount Loop-Powered Display



The Sensor Mount loop-powered display is conveniently installed on the top of the sensor for display of the current level measurement from an ABM ultrasonic or radar level sensor.

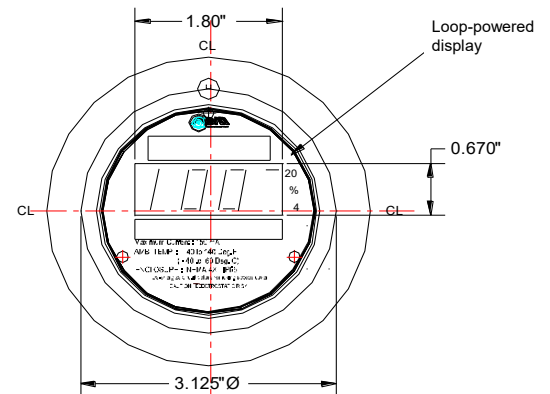
Features

- Level data display (% , meters, feet, gallons, liters)
- Connects with ABM level sensors via 4-20 mA output
- Sensor mount for convenient measurement readout
- 4 1/2 digit LCD display
- Ingress protection IP65 rating (NEMA 4X)



Technical Data	
Display:	4 1/2 digit LCD 1/2" (12.7 mm) high
Display Units:	Percentage (%), meters (m), feet (ft) or user defined
Display Range:	Normal mode 100% @ 20 mA and 0% @ 4 mA Reverse model 100% @ 4 mA and 0% @ 20 mA 22 mA and above = LOE (Loss of Echo)
Accuracy:	Reading +/- 0.5%
Range:	3.5 mA to 22 mA
Maximum Current:	150 mA
Voltage Drop:	0.95V @ 20 mA
Temperature:	-40 to 60°C (-40 to 140°F)
Humidity:	0 - 95% non-condensing
Enclosure:	NEMA 4X, IP65

Dimensions



Model:	LPD	-	PM	-	02
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