

LG-R RADAR DATASHEET

GENERAL

The RADAR controller is capable of shutting off a device or controlling a level using its relay output.

CONSTRUCTION

ELECTRONICS

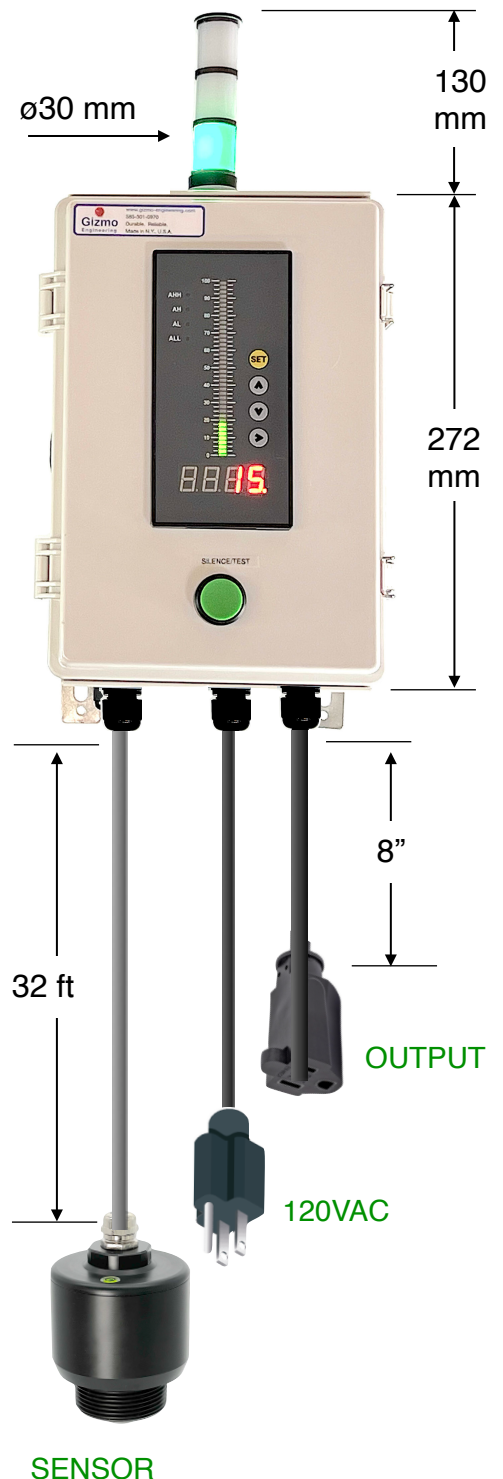
Ingress production	IP65
Enclosure	ABS, 11 x 7 x 4"
Stack light	Acrylic (R,Y,G)
Digital display	membrane
Push button	22mm, Aluminum bezel
Cord grips	Polyamide
Mounting tabs	304 SS
Power cord	18/3 with SJOOW jacket
Output drop cord	18/3 with SJOOW jacket
Relay output	10A @ 240V
Buzzer volume	103 dB
Output	Relay and 4-20 mA

SENSOR

Housing material	polypropylene
Mounting thread	2 inch NPT
Dimensions	76 H x 70 mm ø.
Cord grip	Nickel plated
Cord	PVC jacket, 32 ft length
Sensing depth	15 m [50ft]
Blind zone	100 mm [4"]
Beam angle	8°
Frequency	79-81 GHz
Accuracy	± 2 mm
Connection	Bluetooth

OVERALL

Temperature	-40° - 60°C
Ingress protection	IP65 and NEMA 4X



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OPERATION

The RADAR sensor is set to the correct tank depth using your smart-phone as an interface. The software for your phone is a free download.



RADAR-TOOLS



APPLE



ANDROID

The alarm points (or control points if its for level control) are set on the digital display. It can manage up to 4 action points and provide various relay or alarm responses to each of the 4 level points.

INSTALLATION

1. Mount the digital display.
2. Install the RADAR sensor so its level. (using the built-in bubble level)
3. Provide 120VAC power to the electronics enclosure. The sensor and digital display are pre-set from the factory to your tank dimensions.

