

# GDS-99X Wireless Repeater

## Explosion-Proof Signal Repeater for Wireless Gas Detection Systems

- \* 255 Channel Repeater Function covers all addresses on network
- \* Magnetic switches allow for easy field setup and monitoring
- \* Input power range from +12V to +35VDC or external 110/220VAC
- \* Separate antennas for receive and transmit optimize placement
- \* Support for either 900 MHz (200 mW) or 2.4 GHz (125 mW) radio

The GDS-99X wireless repeater receives and re-broadcasts wireless signals from GDS Corp wireless gas monitors. The GDS-99X improves signal integrity and increases the range of wireless signals.

The GDS-99X supports 52 unique networks on 900 MHz radios and 76 unique networks on 2.4 GHz radios. Wireless 900 MHz radios broadcast 200 mW power while 2.4 GHz radios broadcast 125 mW power.

The GDS-99X operates over a range of +12VDC to +35VDC, enabling use with low cost 12V solar power systems (always use a low-voltage cutoff controller).



- \* Dual radios for simultaneous receive and transmit
- \* Operating temperature range of -40°C to +60°C
- \* Graphical LCD display with LED backlight
- \* Operates on +12V for easy use with 12V solar power system
- \* Manufactured in USA

### GX-99X Specifications:

Function: Signal repeater  
Power Input: +12-35VDC  
Current Draw: 150 mA MAX  
Display: 102x64 LCD  
Transflective sun-readable  
User Interface: Magnetic Wand  
Inputs: Wireless signals  
Outputs: Wireless signals  
Connectors: External N-Female (2)  
Dimensions: 17" x 8" x 5" with antenna  
Certifications: C1, D1, C&D  
Ex db IIB Gb  
C1 Z1 AEx db ia IIB Gb  
Tamb -40C to +54C  
Warranty: One year limited

### GDS-99X Order Guide

GDS-99X-FUNC-OPT1-OPT2 [X]	
<b>FUNC</b>	1 = Wireless Repeater
<b>OPT1</b>	1 = 900 MHz Radio 2 = 2.4 GHz Radio
<b>OPT2</b>	0 = +12 to +35VDC Power In 1 = 110/220 VAC Power In
<b>[X]</b>	[TAG] = Stainless steel tag