

# GDS-59X Wireless Transmitter

## Explosion-Proof Line-Powered 4-20mA Input Signal Transmitter for Wireless Gas Detection Systems

- \* Adapts any 4-20mA analog sensor to GDS Corp wireless network
- \* Magnetic switches allow for easy field setup and monitoring
- \* Input power range from +12V to +35VDC or optional 110/220VAC
- \* Scaled reading value up to 30,000
- \* Support for either 900 MHz (200 mW) or 2.4 GHz (125 mW) radio
- \* External N-Female RF Connector
- \* Operating temperature range of -40°C to +54°C
- \* Graphical LCD display with LED backlight
- \* Less than 175 mA current draw (not including sensor)
- \* Operates on +12V for easy use with 12V solar power system
- \* Manufactured in USA

The GDS-59X explosion-proof wireless 4-20mA Signal / State transmitter accepts industry-standard 4-20mA analog signals and broadcasts them on GDS Corp wireless networks. Scaled values up to 30,000 can be directly input to wireless controllers such as the Protector32 RFD, Protector32 RF or Protector6 RF.

Magnetic switches allow for calibration, setup and diagnostics in hazardous areas without opening the enclosure. The GDS-59X allows any analog sensor to become part of an advanced GDS Corp wireless network.

### GDS-59X Specifications:

Function: Wireless Signal / State Transmitter  
 Power Input: +12-35VDC or Optional 110/220VAC  
 Current Draw: 175 mA MAX  
 Display: 102x64 pixel LCD  
 Transflective sun-readable with backlight  
 User Interface: Magnetic Wand  
 Inputs: Single 4-20mA analog current loop  
 Outputs: 900 Mhz (200 mW) or 2.4 GHz (125 mW) RF  
 Connectors: External N-Female  
 Dimensions: 6"W x 12.2"H x 5.5" D  
 4.8 lbs  
 Certifications: CSA Class I Div 1 Grps C&D  
 Ex d IIB T6 Gb  
 Class 1 Zone 1 AEx db IIB  
 ATEX EX II 2 (1) G  
 Ex db mb ia [ia Ga] IIB T6  
 IECEx Ex db mb ia [ia Ga] T6  
 -40°C < Ta < +54°C  
 QPS Product Certified  
 Warranty: One year limited



### GDS-59X Order Guide

GDS-59X-FUNC-OPT1-OPT2 [X]	
<b>FUNC</b>	0 = Wireless Signal Transmitter
<b>OPT1</b>	0 = 900 MHz Radio 1 = 2.4 GHz Radio
<b>OPT2</b>	1 = +12 to +35VDC Power Input 2 = 110/220 VAC (External supply)
<b>[X]</b>	[TAG] = Stainless steel tag



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