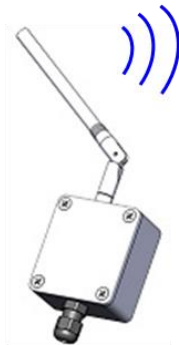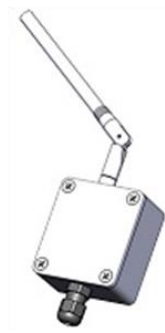**DATASHEET**

SYSTEC WIRELESS MODULES

TRANSMITTER   **RECEIVER**

Systec's wireless modules form a long range wire-replacement for two discrete I/O signals. Inputs on one side match to outputs on the other side.
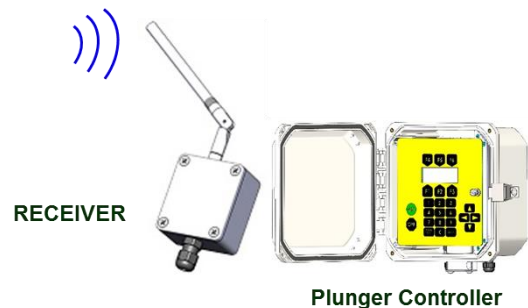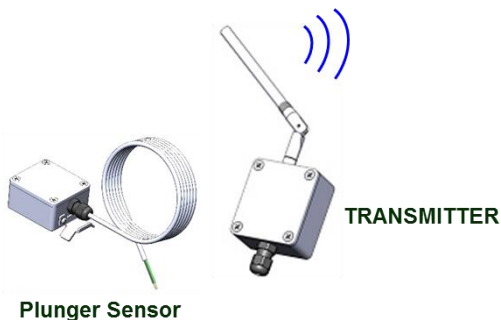
The 900MHz wireless pair have a line of site distance of up to 1 mile.

The pair can be configured for unidirectional transmission (two inputs on one side, two outputs on the other side), or bidirectional transmission (1 input and 1 output on each side).

The modules communicate with each other over an encrypted network using 128 bit AES encryption.

Receiver Module	2410000-00
Transmit Module	2410000-25
Bi-Directional Module	2410000-50
Input Voltage	5-24Vdc
Discrete Inputs (qty 2)	Dry contact switch or active low discrete.
Discrete Outputs (qty 2)	Solid State Relay 60Vdc, 6A
Transmission Freq	900MHz

Typical Application

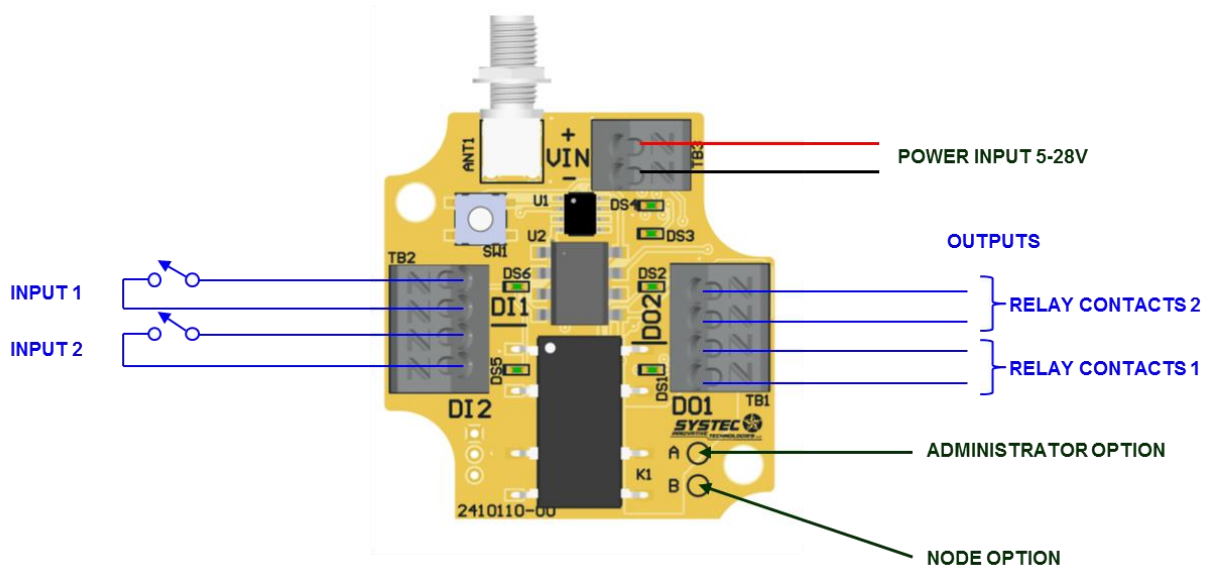**Plunger Sensor**   **TRANSMITTER**   **RECEIVER**   **Plunger Controller**

DATASHEET

WIRING DIAGRAM

Asserting an input (i.e., via a switch closure or discrete signal) on the transmitter module will cause the corresponding relay contacts on the receiver module to close (Input 1 affects Relay 1, etc.) The output is asserted as long as the input is.

Each transmitter/receiver pair is matched at the factory before shipping. It is possible to have multiple transmitters and/or receivers talking together on the same network.

When the "A" bubble is filled in on the PCB, that indicates that that unit is an "administrator". There can be only one administrator per network group. (Note: there can be multiple networks communicating independently in the same area.) The "B" bubble indicates that that unit is a node. The user may add several nodes to the network, ensuring that there is only one administrator. To add a node to the network, press the push button on the administrator and then on the node. The two units will find each other and the node will be added to the network.

DATASHEET

9.459

2.520

5.987

2.283

1/4" Cable Gland

1.378

Tubulated Whip Antenna.
90° Flexable Assembly

PROPRIETARY AND CONFIDENTIAL

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	NAME	DATE
DRAWN		
ENG. APPR.		

1000 Pamela Drive, Euless, Texas 76040
817.864.9197   www.systeceng.com

TITLE: Systec Wirless Module Reciever Assembly
Systec Wirless Module Transmitter Assembly
Systec Wirless Module Bi-Directional Assembly

SIZE **A**

DWG. NO. 2410000-00
2410000-25
2410000-50

REV A

DO NOT SCALE DRAWING