SyxthSense wireless control and measurement, effective and flexible

WIRELESS PRODUCT RANGE

TEFL Room Transmitters with Range of Options
- Wireless Room Temperature and Humidity Transmitters with Multiple Options
- Long and Reliable Transmission Range
- Battery Powered up to 6 years (24Vac/dc option)
- Temperature and Humidity Versions
- 5 Position Switch, LCD, Setpoint and Digital Contact Options
- Accurate Measurement and Transmission to FLTA

TEUI-FL Generic Transmitters
- Wireless Temperature and Generic Analogue Signal Transmitters
- Long and Reliable Transmission Range
- Battery Powered up to 6 yrs (24Vac/dc on request)
- For use with any type Pt100 Sensor e.g. Duct, Strap-On, Flying Lead
- 0.10mA Input for use with CO2, Pressure, Wind Speed, Solar Radiation etc.

KLUI-FL Humidity and Temperature Transmitters
- Wireless Room Temperature and Humidity Transmitters with Multiple Options
- Long and Reliable Transmission Range
- Battery Powered up to 6 yrs (24Vac/dc on request)
- For use in Old and Protected Buildings, High Power FLREP-U Repeaters (Optional)
- 0..10Vdc Input up to 140°
- Configuration using FLSER Service Tool

FLREP-U Outside / High Power Repeaters
- High Power Repeaters for Internal or Outdoor Use
- 24Vac/3x Power Supply
- IP44 Enclosure
- Extended Wireless System Transmission Range
- Configured via FLSER Service Tool

FLSER Service and Network Setup Tool
- Addresses Wireless Transmitters and Repeaters
- Signal Strength Testing for Optimal Positioning of the Sensors and IO-Modules
- Can act as a Repeater for Test Purposes
- Configures RF-FL Inputs and Outputs
- Battery Powered
- LCD Display with Simple Operation

RY-FL Input/Output Modules
- Wireless Input/Output Modules for Effective Zone Control or Monitoring
- Works with FLTA Control Module
- 2 Inputs, configurable DI (self-free) or AI (0..10Vdc)
- 2 Outputs, configurable DO (230Vac SPDT) or AO (0..10Vdc, PWM Triac Parallel)
- 230Vac Power Supply with Aux 24Vac Power Supply for Transmitters

LA-FL Wireless Occupancy
- Wireless Occupancy Sensors
- Long and Reliable Transmission Range with Range Extenders
- Battery Powered up to 5 years
- Measurement Range up to 12m
- Measurement Angle up to 140°
- Hold-Off Delay Configured at FLTA

FLTA Receivers / Modbus Interfaces
- Wireless Receiver and Control Module
- 8 x 0..10Vdc Control Outputs, Fully Configurable
- Modbus RS-485 Interface Built-In
- LCD Display for Live Data Readings, Signal Strengths and System Configuration
- Out of Range and Battery Level Monitoring
- FLTA-KP10 Version for HRP/LRP Controllers
- 2 x Analog or Digital Input (individually selectable)

FLREP Repeater for Indoor Use
- Wireless Repeater for Indoor Use
- 1-2-4Vac/0-10Vdc Power Supply
- Extends the Wireless System Transmission Range
- Listens and Automatically Transmits Weak Signals from the Wireless Transmitters and IO-Modules
- Up to 8 Repeaters in a Single Network
- Configured via FLSER Service Tool

WIRELESS SYSTEM OVERVIEW

Wireless System Overview
- Temperature
- Humidity
- Contact
- 5 Position Switch
- 2 x Analog Input (Digital Input available)

Transmission Distance
- (between two devices): 20-100m in Buildings, 566m Line of Sight

Modbus RTU 9600 Baud
- Common Modbus Communication Protocol
- Data Formats for - Measurements - Signal Strengths - Alarms (Battery/Loss)
- Temperature - Humidity - Pressure - Contact - Level - Signal Strength

WIRELESS RANGE FEATURES
- 868.30 MHz Operation Frequency
- Modern FSK Modulation Provides Reliable and Long Transmission Range
- Single Network can Support up to 99 Wireless Devices (max. 20 RY-FL IO-Modules)
- Up to 63 FLTA Networks covering Requirements to Most Demanding Applications
- Wide Range of Transmitter Options and Repeaters, the System can Grow with the Requirements
- Comprehensive RS-485 RTU Modbus Interface for Measurements and Control
- Ease to Configure and Robust
- Loan Units Available for Actual Site Tests - Prove It and be Sure!

IDEAL FOR
- Old and Protected Buildings
- Tanked Areas
- System Fault Finding and Monitoring
- Zone Enhancements
- Project Cost Reductions

www.syxthsense.com