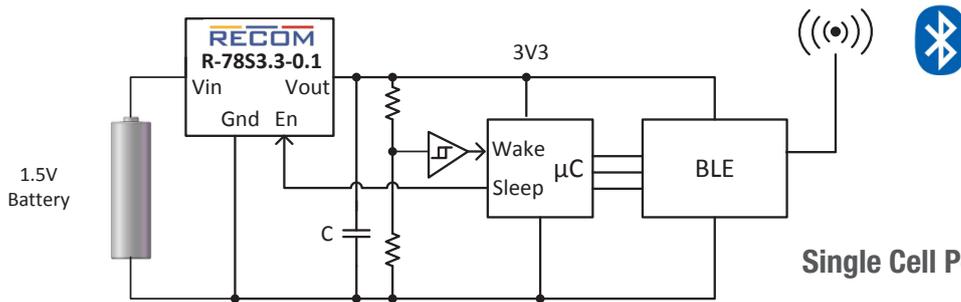


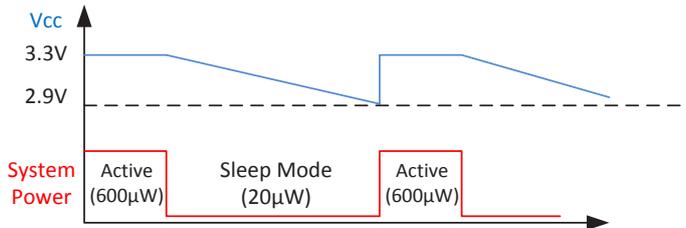
POWER SUPPLIES FOR A SMARTER WORLD



Single Cell Powered Bluetooth Node



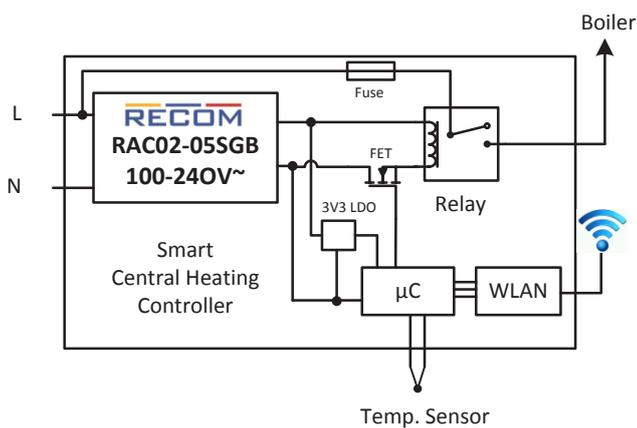
- Only 4 main components
- Runs from single 1.5V battery
- Delivers stable 3.3V output down to 0.65V input (last gasp efficient)
- Sleep mode consumption only 20µW (Enable pin)



Smart heating controller



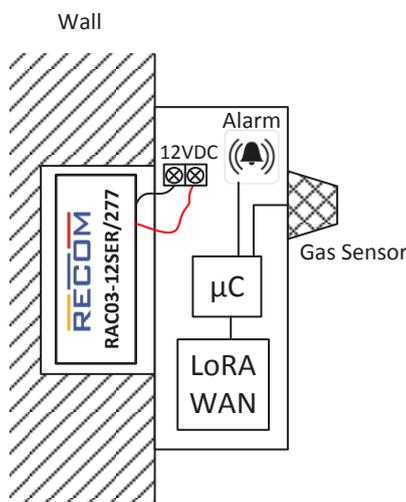
- Low BOM
- Remote control via smartphone App or global web access
- Measures boiler temperature directly for precise control
- Accurate time from WLAN HTTP header
- Worldwide input voltage, built-in Class B filter



Smart Gas Sensor



- Gas or Carbon Monoxide sensor element with local alarm
- Remote Alarm: LoRaWAN has 6km range in the open, will reliably transmit over 100's metres even from deep basement/cellar locations
- RAC03-SER power supply has only 11mm height so can be built into the wall socket to save space
- 85-305VAC input voltage range includes 277VAC supply (USA, China, Europe) and 100VAC (Japan)



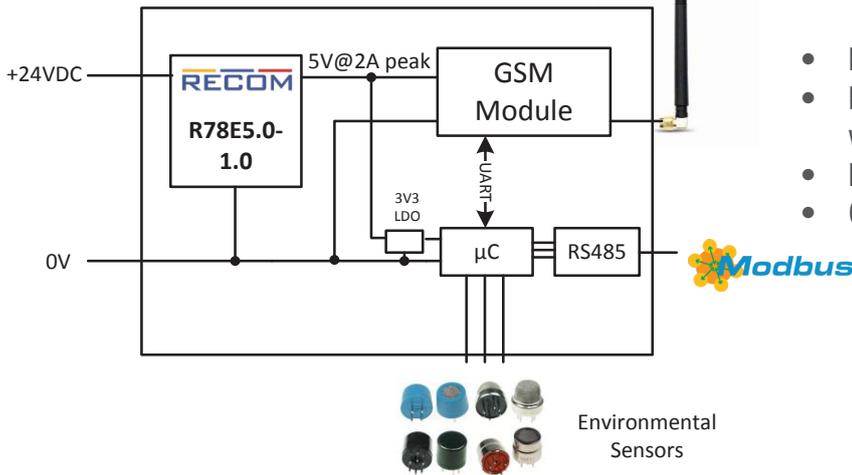
POWER SUPPLIES FOR A SMARTER WORLD



Industrial IoT



- Runs from industry standard 24V bus
- R78E switching regulator delivers 2A peak with 91% efficiency
- No heatsink required
- Compact size



Smart 4-20mA loop



- 4-20mA loop is widely used in industrial plants, refineries and HVAC systems
- For each variable (temp, pressure, flow, etc.) a separate cable is needed
- HART Wireless adds mesh connectivity to existing 4-20mA loop systems
- The R420 scavenges power from the loop without using an external power supply

