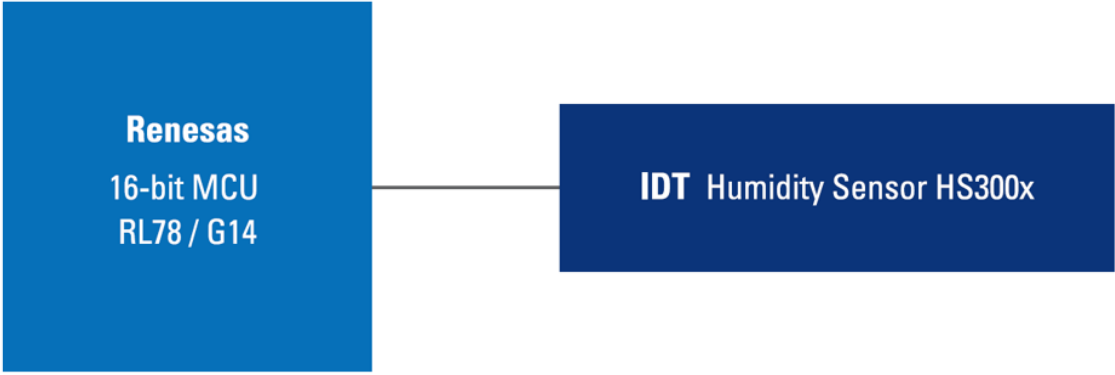


Title	HVAC Humidity Sensor												
Overview	<p>The RL78/G14 microcontroller and HS300x sensor provides a motor control system solution with relative humidity/temperature measurement for predictive failure diagnostics. The solution also supports appliance safety standard IEC/UL 60730, and supports closed-loop feedback with relative/humidity temperature for recirculation of outdoor to indoor air. Power and timing solutions are also available to complete these solutions.</p> <p>Key Features:</p> <ul style="list-style-type: none"> • High-accuracy relative humidity & temperature sensor • Supports three-phase motor control • PWM output (MCU) • Up to 512 kB program flash memory • Ultra-low power MCU 												
Block Diagram	 <p>The block diagram consists of two main components connected by a horizontal line. On the left is a blue square representing the 'Renesas 16-bit MCU RL78 / G14'. On the right is a dark blue rectangle representing the 'IDT Humidity Sensor HS300x'. Below the diagram, the text '16-bit MCU Humidity Sensor' is displayed.</p>												
Recommended Products	<table border="1" data-bbox="293 1100 1015 1367"> <thead> <tr> <th>Product</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Microcontroller</td> <td></td> </tr> <tr> <td>RL78 / G14</td> <td></td> </tr> <tr> <td>Humidity Sensor</td> <td></td> </tr> <tr> <td>HS300x Family</td> <td>Relative humidity sensor ICs</td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	Product	Description	Microcontroller		RL78 / G14		Humidity Sensor		HS300x Family	Relative humidity sensor ICs		
Product	Description												
Microcontroller													
RL78 / G14													
Humidity Sensor													
HS300x Family	Relative humidity sensor ICs												
Meta Description	Motor control system solution with relative humidity/temperature measurement for predictive failure diagnostics, meets safety standard IEC/UL 60730.												
Keywords	hvac humidity sensor, humidity sensor												