MQTT CONNECTOR

INTEGRATION FOR THE MODERN BUILDING

Automated Logic

WebCTRL Add-on

IOT INTEGRATION MADE SIMPLE

Automated Logic's MQTT connector add-on makes it fast and easy to publish data from the WebCTRL® building automation system (BAS) to an MQTT broker—a standard component in cloud environments. Using the MQTT standard lightweight messaging protocol for IoT, data is streamed from the BAS and automatically formatted according to the Sparkplug B specification. The BAS data is enriched with deep context, including semantic tags, so that it can be used by other enterprise-level applications to inform business decisions.

KEY FEATURES AND BENEFITS

- Easy to deploy; compatible with all major MQTT brokers and most cloud infrastructure (IaaS) providers

- Simple configuration tool: Pick which points to publish using an intuitive user interface that leverages WebCTRL's built-in semantic tagging engine

- Published BAS data includes Project Haystack semantic tags, which provides rich context like locations, units of measure, equipment types, control program designations, and point characteristics

- Improves visibility by allowing BAS data to be shared with non-facilities personas like the C-suite, tenants, and employees

- Supports both password and X.509 certificate-based authentication

- TLS 1.3 and a built-in truststore ensure that data is transmitted securely

- Enables fast integration with Carrier Abound™ and Nlyte® software

COMPATIBILITY

- Requires WebCTRL v8 Advantage/Premium with cumulative patch 5 (20221114-0) or later*

PART NUMBERS

SKU	Description
ADD-MQTT_CLIENT	MQTT Connector Add-on

*NOTE: A license is not required when integrating WebCTRL with Carrier Abound. As such, WebCTRL Standard can also support MQTT integration with Abound.

WebCTRL®

The WebCTRL building automation system gives you the ability to understand your building operations and analyze the results. Integrate environmental, energy, security and safety systems into one powerful management tool that helps you reduce energy consumption, increase occupant comfort, and achieve sustainable building operations.

SPECIFICATIONS

THIRD PARTY MQTT BROKER REQUIREMENTS		
Supported MQTT Version:	3.1.1	
Tested Broker Software:	The following MQTT broker software has been tested and works with this add-on. Note that this list is provided for information only. The MQTT Connector is a fully compliant MQTT 3.1.1 and Sparkplug B client and should work with any broker that supports MQTT 3.1.1.	
	Cloud AWS IoT Core Hive MQ Cloud	**On-Premises** Hive MQ 4.8 Mosquitto 2.0 x64 Ignition
THIRD PARTY MQTT SUBSCRIBER REQUIREMENTS		
Payload Format:	Sparkplug B version 3.0 Note: This specification includes that the payload is serialized with protocol buffers, therefore payloads will not be published in plain text.	

TYPICAL APPLICATION