

Release Notes for EcoStruxure Modicon Libraries – Fuzzy Control 2021

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1. Overview

This document summarizes the list of derived function blocks family wise which are available in this release of library. It also summarizes various Key configurations, Notes and Known limitations in this library. This library is validated on Control Expert V15.0.

2. Known Limitation

NA

3. Key Notes

The EcoStruxure Modicon Libraries – Fuzzy Control 2021 Version 1.5 is compatible Control Expert Version 15.0 and above without any changes to the existing Function blocks.

- Previous library setups are incompatible with Control Expert V15.0.
- Library user guide for other languages (German, French & Spanish) can be accessed from the “Windows Start Menu”, post the library installation.
- **We strongly recommend you uninstall the previous library version before installing the latest version.**

4. List of Elementary Function Blocks Family

SI:NO	Family	Block Name	Purpose
1	Fuzzy	DEFUZ	Defuzzification with singletons
2		DEFUZ_STI	Defuzzification with singletons (structure)
3		DEFUZ_STR	Defuzzification with singletons (structure)
4		FUZ_ATERM	Fuzzification of terms
5		FUZ_ATERM_STI	Fuzzification of terms (structure) up to 9 terms of the linguistic variables
6		FUZ_ATERM_STR	Fuzzification of terms (structure) up to 9 terms of the linguistic variables
7		FUZ_MAX	Fuzzy Maximum recognizes the largest input value
8		FUZ_MIN	Fuzzy Minimum recognizes the smallest input value
9		FUZ_PROD	Fuzzy Product integer calculation
10		FUZ_STERM	Fuzzifies an individual term of the linguistic variables
11		FUZ_SUM	limited sum (output MD) of the membership degrees