

Release Notes for EcoStruxure Modicon Libraries – Predictive 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 – Predictive Control 2021 Version 3.3 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.
- **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	PCR	PCR_SF1	Simple Predictive Controller for First Order Process
2		PCR_EF1	Enhanced Controller: First Order with Feed-Forward, Cascade, Split Range, Self Compensation
3		PCR_IF1	Controller for Integrative First Order Process
4		PCR{EIF1	Enhanced Controller: Integrative First Order Process with Feed-Forward, Cascade, Ramp Set Point
5		PCR_RD1	Ramp and Docking Set Point Controller for First Order Process
6		PCR_DC3	Dedicated Controller for Third Order Process
7		PCR_ZTR	Zone Control with Non-Linear Time Response
8		PCR_FIL	Rate Limiter Filter
9		PCR_RSP	Ramp and Docking Set Point Generator
10		PCR_FF1	Model for First Order Feed-Forward Compensation
11		PCR_IFF1	Model for Feed-Forward Compensation Used with Integrative First Order System
12		PCR_SR1	Supervisor for 2 Controllers in Split Range Configuration
13		PCR_ESR1	Enhanced Split Range Supervisor with Min Constraints Different from Zero