

# General Specifications

GS 33J10D24-01EN

VP6E5215

Tuning Parameter Management  
Package  
(for Module-based Engineering)



[Release 6]

## ■ GENERAL

*Tuning Parameter Management Package (for Module-based Engineering) is one of the optional packages in Automation Design Suite (AD Suite) to use with VP6E5210 Module-based Engineering Package. For details of the AD Suite and Module-based Engineering, refer to the General Specifications "Automation Design Suite (AD Suite) VP6E5000 Engineering Server Function, VP6E5100 Standard Engineering Function" (GS 33J10D10-01EN), and "VP6E5210 Module-based Engineering Package" (GS 33J10D22-01EN) respectively.*

*This package manages tuning parameter values. One of the tuning parameters is a design value, which is a functional block tuning parameter value designed when control applications are created. Another is a current value, which is actually used in a field control station (FCS). The design value can be collectively set in an FCS, or the design value and the current value can be compared and set.*

*This package is applicable to the FCS using following control software :*

*VP6F1700, VP6F1705, VP6F1800, VP6F1805, VP6F1900, VP6F1905, VP6F8100, VP6F8105*

## ■ FUNCTION SPECIFICATIONS

This package realizes the following functions by using Automation Design Organizer (AD Organizer).

- Defining tuning parameter design value
- Setting tuning parameters collectively in FCS
- Comparison and setting tuning parameter's design value and current value

A tuning parameter is a data item or an alarm setting value in functional blocks that can be set and viewed from a human interface station (HIS). Out of functional block data items that are defined by a class module (\*1) or an application module (\*2), this package manages two types of tuning parameters. One is a data item that can be set (class module or application module tuning parameters) and the other is an alarm setting value (alarm-related tuning parameters).

\*1: A class module is used as a template for an application module. The class module includes components such as design information, control logic, tuning parameter, alarm attribute, and attached file. For details, refer to General Specifications "VP6E5210 Module-based Engineering Package" (GS 33J10D22-01EN).

\*2: An application module makes up an actual control application. The components of the application module are the same as those of the class module. For details, refer to General Specifications "VP6E5210 Module-based Engineering Package" (GS 33J10D22-01EN).

### ● Defining Design Values of Tuning Parameters

By using the tuning parameter editor of the AD Organizer, tuning parameter design values of functional blocks in an FCS can be defined. The tuning parameter editor sets tuning parameters of class modules and application modules. The setting items of the tuning parameters are saved to Automation Design Server (AD Server) as user common engineering data.

### ● Setting Tuning Parameters Collectively in FCSs

Application module tuning parameters and alarm-related tuning parameters can be acquired from the AD Server and those can be set in FCSs (\*1) collectively. FCSs in a project can be selected individually or collectively. Tuning parameter setting in an FCS can be collectively done by the AD Organizer.

\*1: In case tuning parameters need to be set individually, refer to the section which describes the comparison and setting of design values and current values of tuning parameters.

### ● Comparison and Setting of Design Values and Current Values of Tuning Parameters

Current values of tuning parameters can be acquired from an FCS and compared with the design values of application module tuning parameters. The design values of application module tuning parameters can be selected individually and set on an FCS. In addition, the current values of tuning parameters set in the FCS can be selected individually and reflected to the design values of the application module tuning parameters in the AD Server. Comparison and setting of design values and current values of tuning parameters can be used for application module tuning parameters and alarm-related tuning parameters. Comparison and setting of the tuning parameter design values and current values are done by the AD Organizer. The changes in the tuning parameters caused by the design values are output as historical messages.

## ■ OPERATING ENVIRONMENT

### ● Hardware Requirement

Conforms to the operating environment of VP6E5100 Standard Engineering Function.

### ● Software Requirements

Conforms to the operating environment of VP6E5100 Standard Engineering Function.

Required Software:

VP6E5100      Standard Engineering Function

VP6E5210      Module-based Engineering Package

The following package is required for using comparison and setting function of design values and current values of tuning parameters.

VP6H1100 Standard Operation and Monitoring Function

## ■ MODELS AND SUFFIX CODES

|                     |          | Description  |
|---------------------|----------|--|
| <b>Model</b>        | VP6E5215 | Tuning Parameter Management Package (for Module-based Engineering) |
| <b>Suffix Codes</b> | -V       | Software license   |
|                     | 1        | Always 1   |
|                     | 1        | English version  |

## ■ NOTE

For CENTUM VP R6.04 and later, this package is included in Automation Design Suite Standard Engineering Function (VP6E51AD) and may not be ordered separately (see GS 33J10D21-01EN for details).

## ■ TRADEMARK ACKNOWLEDGMENT

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