Regulatory Compliance

For the detailed information of following standards, see “System Overview (Vnet/IP Edition)” (GS 33K01A10-50E).

Safety Standards
- [CSA] (for 100-120 V AC power supply)
- [CE Marking] (for 100-120 V AC and 220-240 V AC power supply)

EMC Conformity Standards
- [CE Marking] (for 100-120 V AC, 220-240 V AC and 24 V DC power supply)
- [C-Tick Marking] (for 220-240 V AC and 24 V DC power supply)
- [KC Marking] (for 100-120 V AC, 220-240 V AC and 24 V DC power supply)

Standards for Hazardous Location Equipment
- [FM Non-Incendive] (for 100-120 V AC, 220-240 V AC and 24 V DC power supply)
- [Type n] (for 24 V DC power supply)

System Configuration

The FCS consists of the FCU and Node Units, and the ESB bus or the ER bus to connect them together.

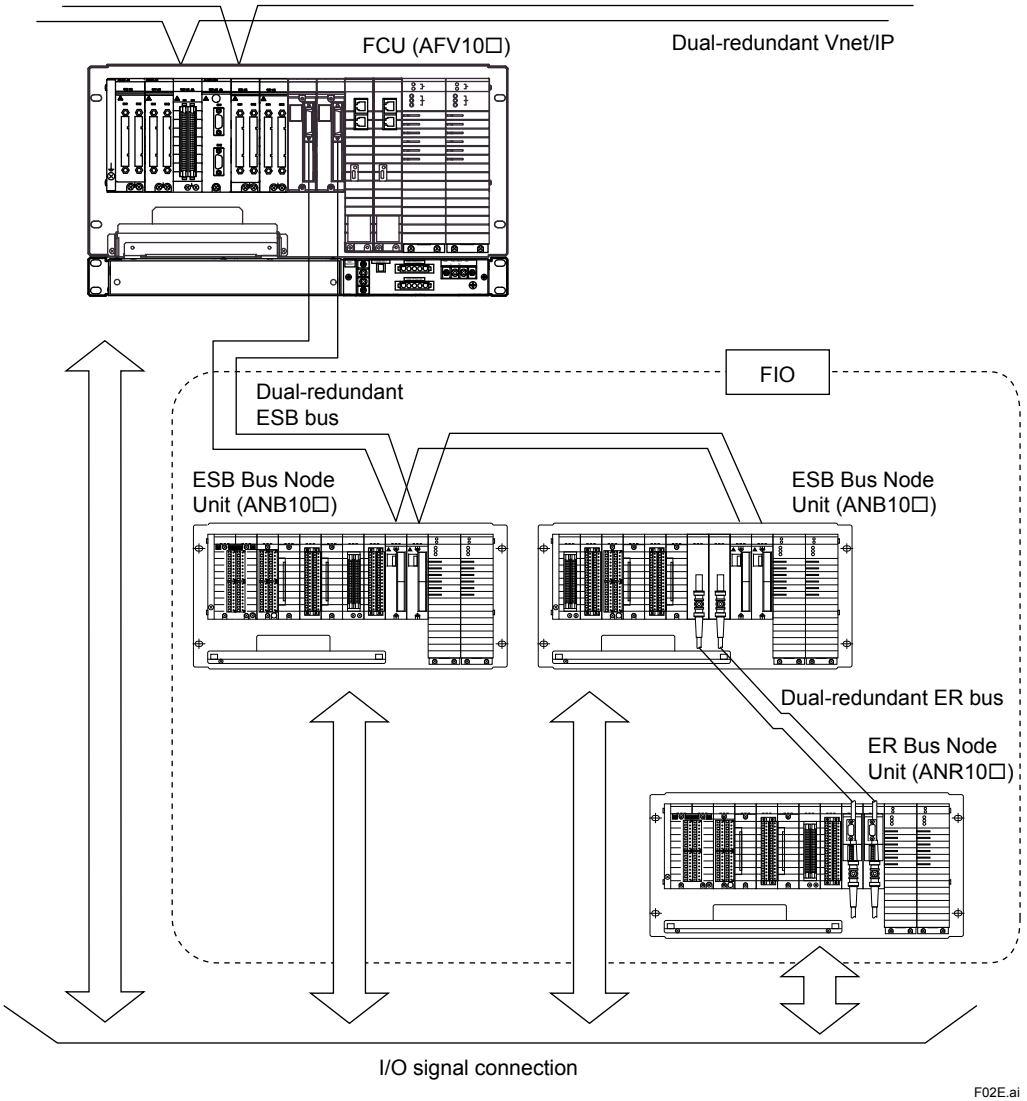


Figure System Configuration

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■ LIMITATIONS OF INSTALLATION AND NOTICES FOR INSTALLATION

For installing I/O modules in AFV10S and AFV10D, the quantity and allocation are limited.

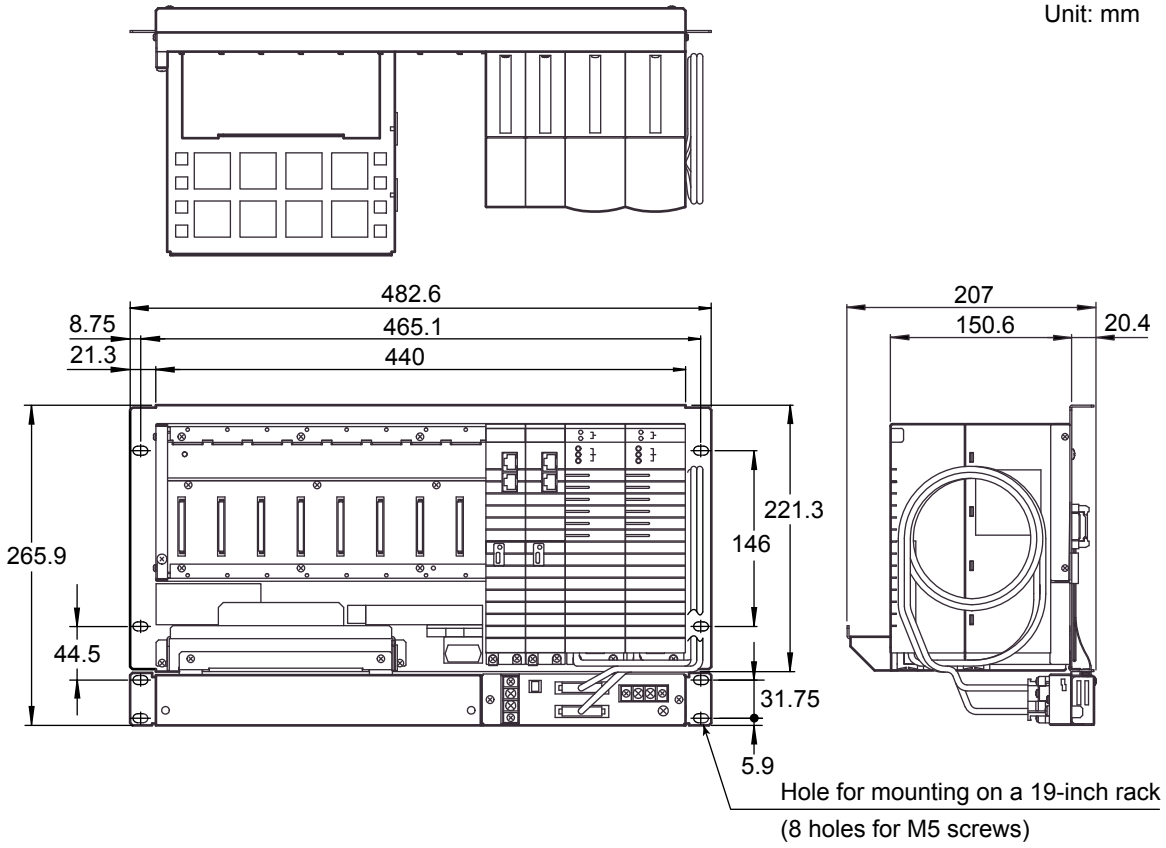
Also, when installing a node unit to the dedicated cabinet, there are limitations of installation under the ambient operating temperature conditions.

When modules with built-in barriers are installed in AFV10☐, an insulating partition kit (Part No. T9083ND) must be installed.

For details, please refer to “FIO System Overview (for Vnet/IP)” (GS 33K50F10-50E) and “Installation Guidance” (TI 33K01J10-50E).

■ EXTERNAL DIMENSIONS

Unit: mm



F03E.ai

■ SOFTWARE REQUIREMENT

For AFV10S and AFV10D, the Control Function for Field Control Station (LFS1500) is required. Specify these control functions with suffix codes.

The number of the connectable node units and the application capacity can be expanded if the Node Expansion Package (LFS1550) is purchased.

For the specifications of LFS1500 and LFS1550, refer to GS 33K15C20-50E.

■ REQUIREMENTS FOR USING SEM (SEQUENCE OF EVENTS MANAGER)

To use SEM for Vnet/IP, AFV10☐ should be style 2 or later. (Style No. is indicated on the component tag)

For details, refer to ”SEM Sequence of Events Manager (for Vnet/IP and FIO)” (GS 33K30D10-50E).

■ ACCESSORIES AND SPARE PARTS

The spare parts listed below are provided with the FCU.

Parts Names	Parts Numbers	Description	Quantity	Remarks
Insulating bush	S9049PM	-	8	Accessory

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■ MODELS AND SUFFIX CODES

Field Control Unit

		Description
Model	AFV10S	Field Control Unit (for Vnet/IP and FIO, for 19-inch Rack Mountable)
Suffix Codes	-S	Standard type
	3	Dual-Redundant Vnet/IP, Single power supply
	4	Dual-Redundant Vnet/IP, Dual-Redundant power supply
	1	Always 1
	1	100–120 V AC power supply
	2	220–240 V AC power supply
	4	24 V DC power supply
	5	Basic type with no explosion protection
	6	With ISA Standard G3 option and no explosion protection
	E	Basic type with explosion protection
	F	With ISA Standard G3 option and explosion protection
	1	LFS1500 Control Function for Field Control Station (for Vnet/IP and FIO)
Option Code	/ATDOC	Explosion Protection Manual (*1)

*1: Select the option code "/ATDOC" to follow the ATEX Directive for use in potentially explosive atmospheres.

Duplexed Field Control Unit

		Description
Model	AFV10D	Duplexed Field Control Unit (for Vnet/IP and FIO, for 19-inch Rack Mountable)
Suffix Codes	-S	Standard type
	4	Dual-Redundant Vnet/IP, Dual-Redundant power supply
	1	Always 1
	1	100–120 V AC power supply
	2	220–240 V AC power supply
	4	24 V DC power supply
	5	Basic type with no explosion protection
	6	With ISA Standard G3 option and no explosion protection
	E	Basic type with explosion protection
	F	With ISA Standard G3 option and explosion protection
	1	LFS1500 Control Function for Field Control Station (for Vnet/IP and FIO)
Option Code	/ATDOC	Explosion Protection Manual (*1)

*1: Select the option code "/ATDOC" to follow the ATEX Directive for use in potentially explosive atmospheres.

Insulating Partition Kit

		Description
Part No.	T9083ND	Insulating Partition Kit

Configuration of Insulating Partition Kit

		Description
Part No.	T9083NE	Insulating Partition
	T9083NG	Insulating Partition for V net
	Y9306LB	2 screws for T9083NG

■ ORDERING INFORMATION

Specify model and suffix codes.
For selecting the right products for explosion protection, please refer to TI 33Q01J30-01E without fail.

■ TRADEMARK

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