

Addressing

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The protocol MEWTOCOL-COM is used for controllers in the Matsushita FP-series. The driver supports a number of different data types which, for instance, can be found in the programming tool NAI5. There are 1 bit, 16 bit and 32 bit data types.

Digital signals

The driver can handle digital devices of the following types:

Device	Description	Numeric system
X	External input	Hex
Y	External output	Hex
R	Internal relay	Hex
T	Timer contact	Dec
C	Counter contact	Dec
L	Link relay	Hex

The address format for device X, Y, R and L is device[word][bit].
The address format for device T and C is device[index].

Example:

R100C internal relay, word 100, bit 12.

X4A external input, word 4, bit 10.

T8 Timer contact 8.

Analog signals

The driver can handle analog devices of the following types:

Device	Description	Size
WX	External input	Word (16-bit)
WY	External output	Word (16-bit)
WR	Internal relay	Word (16-bit)
SV	Timer/Counter set value	Word (16-bit)
EV	Timer/Counter elapsed value	Word (16-bit)
DT	Data register	Word (16-bit)
FL	File register	Word (16-bit)
WL	Link relay	Word (16-bit)
LD	Link data register	Word (16-bit)

DWX	External input	Double word (32-bit)
DWY	External output	Double word (32-bit)
DWR	Internal relay	Double word (32-bit)
DSV	Timer/Counter set value	Double word (32-bit)
DEV	Timer/Counter elapsed value	Double word (32-bit)
DDT	Data register	Double word (32-bit)
DFL	File register	Double word (32-bit)
DWL	Link relay	Double word (32-bit)
DLD	Link data register	Double word (32-bit)

Station handling for serial communication

Under driver properties the Default Station is stated. If no station number is stated, the default station will be addressed. For communication with the other stations the station numbers is given as a prefix to the device.

Example:

13:R100 internal relay in controller with station number 13

DT108 D-register 108 in the controller with the same station number as stated for Default Station

Station handling for Ethernet communication

When using Ethernet communication the station addressing works the same way as when serial communication is used except that the IP address and port number must be added under Stations settings.

Example:

2:DT100 means data register 100 in the controller with the same IP address as stated for station number 2.