

General Specifications

Model NC210 RS485/CC-Link Converter

GS 77P01C01-01E

General

The Model NC210 RS485/CC-Link converter connects Yokogawa M&C's Green Series digital indicating controllers, VJ Series signal converters and PR201/UZ005 power monitors with an RS485 option, to MELSEC (Mitsubishi Electric Corporation's sequencer).

Used as a remote device station of MELSEC, the NC210 allows process data and operating status information—such as digital indicating controller process variable (PV) inputs and alarm statuses—to be read via the CC-Link. The NC210 also allows the MELSEC to read setpoint (SP) values and signal converter communications outputs.

The NC210 is designed for either wall mounting or DIN-rail mounting.



Model and Suffix Codes

	NC210-02-□□□
Model	_____
Power Supply	_____
2 :	100 to 240 V AC (-15, +10%), 50/60 Hz
Profile and Type of connectable instrument	_____
001:	UT3*0/4*0/5*0/750 (PV, OUT); 8 units max.
002:	UT3*0/4*0/5*0/750 (PV, SP); 8 units max.
003:	UT3*0/4*0/5*0/750 (PV, OUT, SP); 5 units max.
061:	UP550/750 (PV, SP, PTN, SEGNO, TIME); 1 unit only
101:	JUXTA VJ series (output); 16 units max.
201:	PR201 or UZ005 (integrated power, instantaneous power); 4 units max.

Hardware Specifications

- Construction: 14-pin plug-in converter designed for wall or DIN-rail mounting
- Material: ABS resin for casing
- Weight: Approx. 370 g (including a 110 g socket)
- I/O on monitoring side: Two-wire RS485 interface
- I/O on MELSEC side: CC-Link front-panel connector
- LED indicator: RDY, RUN, ERR, SD and RD
- Power supply: 100 to 240 V AC (-15%/+10%), 50/60 Hz
- Insulation resistance: 100 MΩ min. at 500 V DC between any two terminals among the COM1 terminals, COM2 terminals, power supply and grounding terminals.
- Withstand voltage: 2000 V AC for 1 minute between any two terminals among COM1 (or COM2) terminals, power supply and grounding terminals; and 500 V AC for 1 minute between COM1 and COM2 terminals (COM1: CC-Link; COM2: RS485)
- Power consumption: Approx. 3.0 VA (100 V AC), Approx. 5.1 VA (240 V AC)

RS485 Specifications and Instruments That Can Be Connected

- Green series: UT320/350, UT420/450, UT520/550, UT750, UP550/750
- VJ series: VJU7/ VJS7/ VJA7/ VJH7/ VJX7
- Power monitor: PR201/ UZ005

■ CC-Link Specifications

Communication speed setting: 156, 625, 2.5M, 5M or 10Mbps, set with Rotary switch

Remote station number setting:
1 to 61, set with Rotary switch
(Number of stations occupied: 4)

Transmission speed/distance:
The available overall distance of transmission differs depending on the transmission speed, as shown below:

156 kbps	: up to 1200 m
625 kbps	: up to 600 m
2.5 Mbps	: up to 200 m
5 Mbps	: up to 150 m
10 mbps	: up to 100 m

■ Environmental Requirements

Normal operating conditions:

Ambient temperature range:	0 to 50°C
Ambient humidity range:	5 to 90% RH (no condensation)
Temperature change:	10°C/h max.
Altitude of installation:	2000 m max.

Transport/storage conditions:

Temperature range:	-40 to 70°C
Ambient humidity range:	5 to 95% RH (no condensation)

■ Configuration Profiles

1. Remote-data Configuration Profiles

1.1 NC210-02-001 and 8 Units Max. of UT3*0/4*0/5*0/750 (PV, OUT) – Data Monitoring Mode (Profile 001)

In this profile, the values of PV, OUT, A/M, R/L, ALM-1, ALM-2 and ALM-3 parameters can be monitored for a maximum of eight digital indicating controllers (UT3*0 has no R/L parameter).

In addition, values can be written into SP and MOUT parameters using a Write Request flag.

It is also possible to change the values of the A/M and/or R/L parameter.

Remote Registers

Remote → Master				Master → Remote			
Address	Signal name		Contents	Address	Signal name		Contents
RWr n+0	1.PV	1/1	D0003	RWw m+0	1.SP	1/1	D0301
RWr n+1	2.PV	2/1	D0003	RWw m+1	2.SP	2/1	D0301
RWr n+2	3.PV	3/1	D0003	RWw m+2	3.SP	3/1	D0301
RWr n+3	4.PV	4/1	D0003	RWw m+3	4.SP	4/1	D0301
RWr n+4	5.PV	5/1	D0003	RWw m+4	5.SP	5/1	D0301
RWr n+5	6.PV	6/1	D0003	RWw m+5	6.SP	6/1	D0301
RWr n+6	7.PV	7/1	D0003	RWw m+6	7.SP	7/1	D0301
RWr n+7	8.PV	8/1	D0003	RWw m+7	8.SP	8/1	D0301
RWr n+8	1.OUT	1/1	D0005	RWw m+8	1.MOUT	1/1	D0217
RWr n+9	2.OUT	2/1	D0005	RWw m+9	2.MOUT	2/1	D0217
RWr n+A	3.OUT	3/1	D0005	RWw m+A	3.MOUT	3/1	D0217
RWr n+B	4.OUT	4/1	D0005	RWw m+B	4.MOUT	4/1	D0217
RWr n+C	5.OUT	5/1	D0005	RWw m+C	5.MOUT	5/1	D0217
RWr n+D	6.OUT	6/1	D0005	RWw m+D	6.MOUT	6/1	D0217
RWr n+E	7.OUT	7/1	D0005	RWw m+E	7.MOUT	7/1	D0217
RWr n+F	8.OUT	8/1	D0005	RWw m+F	8.MOUT	8/1	D0217

RS485 ← Fixed communication settings 9600bps 8bit 1bit

→ CC-Link

Station number setting 1 to 61

Transmission speed setting
0: 156 kbps
1: 625 kbps
2: 2.5 Mbps
3: 5 Mbps
4: 10 Mbps

Remote Inputs/ Outputs

Remote → Master			Master → Remote		
Address	Signal name	Contents	Address	Signal name	Contents
RX n0		Data monitoring mode	RY n0		Request for data monitoring mode
RX n1		Parameter setting mode	RY n1		Request for parameter setting mode
RX n2			RY n2		
RX n3		Receive data valid flag	RY n3		
RX n4		End of writing	RY n4		Write request
RX n5			RY n5		
RX n6			RY n6		
RX n7			RY n7		
RX n8	1.A/M	1/1 I0065	RY n8	1.A/M	1/1 D0201
RX n9	2.A/M	2/1 I0065	RY n9	2.A/M	2/1 D0201
RX nA	3.A/M	3/1 I0065	RY nA	3.A/M	3/1 D0201
RX nB	4.A/M	4/1 I0065	RY nB	4.A/M	4/1 D0201
RX nC	5.A/M	5/1 I0065	RY nC	5.A/M	5/1 D0201
RX nD	6.A/M	6/1 I0065	RY nD	6.A/M	6/1 D0201
RX nE	7.A/M	7/1 I0065	RY nE	7.A/M	7/1 D0201
RX nF	8.A/M	8/1 I0065	RY nF	8.A/M	8/1 D0201
RX (n+1)0	1.R/L	1/1 I0066	RY (n+1)0	1.R/L	1/1 D0203
RX (n+1)1	2.R/L	2/1 I0066	RY (n+1)1	2.R/L	2/1 D0203
RX (n+1)2	3.R/L	3/1 I0066	RY (n+1)2	3.R/L	3/1 D0203
RX (n+1)3	4.R/L	4/1 I0066	RY (n+1)3	4.R/L	4/1 D0203
RX (n+1)4	5.R/L	5/1 I0066	RY (n+1)4	5.R/L	5/1 D0203
RX (n+1)5	6.R/L	6/1 I0066	RY (n+1)5	6.R/L	6/1 D0203
RX (n+1)6	7.R/L	7/1 I0066	RY (n+1)6	7.R/L	7/1 D0203
RX (n+1)7	8.R/L	8/1 I0066	RY (n+1)7	8.R/L	8/1 D0203
RX (n+1)8	1.ALM1	1/1 I0097	RY (n+1)8		
RX (n+1)9	1.ALM2	1/1 I0098	RY (n+1)9		
RX (n+1)A	1.ALM3	1/1 I0099	RY (n+1)A		
RX (n+1)B	2.ALM1	2/1 I0097	RY (n+1)B		
RX (n+1)C	2.ALM2	2/1 I0098	RY (n+1)C		
RX (n+1)D	2.ALM3	2/1 I0099	RY (n+1)D		
RX (n+1)E	3.ALM1	3/1 I0097	RY (n+1)E		
RX (n+1)F	3.ALM2	3/1 I0098	RY (n+1)F		
RX (n+2)0	3.ALM3	3/1 I0099	RY (n+2)0		
RX (n+2)1	4.ALM1	4/1 I0097	RY (n+2)1		
RX (n+2)2	4.ALM2	4/1 I0098	RY (n+2)2		
RX (n+2)3	4.ALM3	4/1 I0099	RY (n+2)3		
RX (n+2)4	5.ALM1	5/1 I0097	RY (n+2)4		
RX (n+2)5	5.ALM2	5/1 I0098	RY (n+2)5		
RX (n+2)6	5.ALM3	5/1 I0099	RY (n+2)6		
RX (n+2)7	6.ALM1	6/1 I0097	RY (n+2)7		
RX (n+2)8	6.ALM2	6/1 I0098	RY (n+2)8		
RX (n+2)9	6.ALM3	6/1 I0099	RY (n+2)9		
RX (n+2)A	7.ALM1	7/1 I0097	RY (n+2)A		
RX (n+2)B	7.ALM2	7/1 I0098	RY (n+2)B		
RX (n+2)C	7.ALM3	7/1 I0099	RY (n+2)C		
RX (n+2)D	8.ALM1	8/1 I0097	RY (n+2)D		
RX (n+2)E	8.ALM2	8/1 I0098	RY (n+2)E		
RX (n+2)F	8.ALM3	8/1 I0099	RY (n+2)F		
RX (n+3) :			RY (n+3) :		
RX (n+4) :			RY (n+4) :		
RX (n+5)0		Normal connection of slave 01	RY (n+5)0		
RX (n+5)1		Normal connection of slave 02	RY (n+5)1		
RX (n+5)2		Normal connection of slave 03	RY (n+5)2		
RX (n+5)3		Normal connection of slave 04	RY (n+5)3		
RX (n+5)4		Normal connection of slave 05	RY (n+5)4		
RX (n+5)5		Normal connection of slave 06	RY (n+5)5		
RX (n+5)6		Normal connection of slave 07	RY (n+5)6		
RX (n+5)7		Normal connection of slave 08	RY (n+5)7		
RX (n+5)8			RY (n+5)8		
RX (n+5)9			RY (n+5)9		
RX (n+5)A			RY (n+5)A		
RX (n+5)B			RY (n+5)B		
RX (n+5)C			RY (n+5)C		
RX (n+5)D			RY (n+5)D		
RX (n+5)E			RY (n+5)E		
RX (n+5)F			RY (n+5)F		Request for re-scanning
RX (n+6)0 :	(Reserved)		RY (n+6)0 :	(Reserved)	
RX (n+7)A	(Reserved)		RY (n+7)A	(Reserved)	
RX (n+7)B	Remote READY flag		RY (n+7)B	(Reserved)	
RX (n+7)C	(Reserved)		RY (n+7)C	(Reserved)	
RX (n+7)D	(Reserved)		RY (n+7)D	(Reserved)	
RX (n+7)E	(Reserved)		RY (n+7)E	(Reserved)	
RX (n+7)F	(Reserved)		RY (n+7)F	(Reserved)	

1.2 NC210-02-002 and 8 Units Max. of UT3*0/4*0/5*0/750 (PV, SP) – Data Monitoring Mode (Profile 002)

In this profile, the values of PV, SP, A/M, R/L, ALM-1, ALM-2 and ALM-3 parameters can be monitored for a maximum of eight digital indicating controllers (UT3*0 has no R/L parameter).

In addition, values can be written into SP and MOUT parameters using a Write Request flag.

It is also possible to change the values of the A/M and/or R/L parameter.

Remote Registers

Remote → Master						Master → Remote					
Address	Signal name	Contents	Address	Signal name	Contents						
RWr n+0	1.PV	1/1 D0003	RWw m+0	1.SP	1/1 D0031						
RWr n+1	2.PV	2/1 D0003	RWw m+1	2.SP	2/1 D0031						
RWr n+2	3.PV	3/1 D0003	RWw m+2	3.SP	3/1 D0031						
RWr n+3	4.PV	4/1 D0003	RWw m+3	4.SP	4/1 D0031						
RWr n+4	5.PV	5/1 D0003	RWw m+4	5.SP	5/1 D0031						
RWr n+5	6.PV	6/1 D0003	RWw m+5	6.SP	6/1 D0031						
RWr n+6	7.PV	7/1 D0003	RWw m+6	7.SP	7/1 D0031						
RWr n+7	8.PV	8/1 D0003	RWw m+7	8.SP	8/1 D0031						
RWr n+8	1.SP	1/1 D0004	RWw m+8	1.MOUT	1/1 D0217						
RWr n+9	2.SP	2/1 D0004	RWw m+9	2.MOUT	2/1 D0217						
RWr n+A	3.SP	3/1 D0004	RWw m+A	3.MOUT	3/1 D0217						
RWr n+B	4.SP	4/1 D0004	RWw m+B	4.MOUT	4/1 D0217						
RWr n+C	5.SP	5/1 D0004	RWw m+C	5.MOUT	5/1 D0217						
RWr n+D	6.SP	6/1 D0004	RWw m+D	6.MOUT	6/1 D0217						
RWr n+E	7.SP	7/1 D0004	RWw m+E	7.MOUT	7/1 D0217						
RWr n+F	8.SP	8/1 D0004	RWw m+F	8.MOUT	8/1 D0217						

← RS485 Fixed communication settings: 9600bps, 8bit, 1bit → CC-Link Station number setting: 1 to 61 Transmission speed setting: 0: 155 kbps, 1: 625 kbps, 2: 2.5 Mbps, 3: 5 Mbps, 4: 10 Mbps

Remote Inputs/ Outputs

Remote → Master			Master → Remote		
Address	Signal name	Contents	Address	Signal name	Contents
RX n0	Data monitoring mode		RY n0	Request for data monitoring mode	
RX n1	Parameter setting mode		RY n1	Request for parameter setting mode	
RX n2			RY n2		
RX n3	Receive data valid flag		RY n3		
RX n4	End of writing		RY n4	Write request	
RX n5			RY n5		
RX n6			RY n6		
RX n7			RY n7		
RX n8	1.A/M	1/1 I0065	RY n8	1.A/M	1/1 D0201
RX n9	2.A/M	2/1 I0065	RY n9	2.A/M	2/1 D0201
RX nA	3.A/M	3/1 I0065	RY nA	3.A/M	3/1 D0201
RX nB	4.A/M	4/1 I0065	RY nB	4.A/M	4/1 D0201
RX nC	5.A/M	5/1 I0065	RY nC	5.A/M	5/1 D0201
RX nD	6.A/M	6/1 I0065	RY nD	6.A/M	6/1 D0201
RX nE	7.A/M	7/1 I0065	RX nE	7.A/M	7/1 D0201
RX nF	8.A/M	8/1 I0065	RY nF	8.A/M	8/1 D0201
RX (n+1)0	1.R/L	1/1 I0066	RY (n+1)0	1.R/L	1/1 D0203
RX (n+1)1	2.R/L	2/1 I0066	RY (n+1)1	2.R/L	2/1 D0203
RX (n+1)2	3.R/L	3/1 I0066	RY (n+1)2	3.R/L	3/1 D0203
RX (n+1)3	4.R/L	4/1 I0066	RY (n+1)3	4.R/L	4/1 D0203
RX (n+1)4	5.R/L	5/1 I0066	RY (n+1)4	5.R/L	5/1 D0203
RX (n+1)5	6.R/L	6/1 I0066	RY (n+1)5	6.R/L	6/1 D0203
RX (n+1)6	7.R/L	7/1 I0066	RY (n+1)6	7.R/L	7/1 D0203
RX (n+1)7	8.R/L	8/1 I0066	RY (n+1)7	8.R/L	8/1 D0203
RX (n+1)8	1.ALM1	1/1 I0097	RY (n+1)8		
RX (n+1)9	1.ALM2	1/1 I0098	RY (n+1)9		
RX (n+1)A	1.ALM3	1/1 I0099	RY (n+1)A		
RX (n+1)B	2.ALM1	2/1 I0097	RY (n+1)B		
RX (n+1)C	2.ALM2	2/1 I0098	RY (n+1)C		
RX (n+1)D	2.ALM3	2/1 I0099	RY (n+1)D		
RX (n+1)E	3.ALM1	3/1 I0097	RY (n+1)E		
RX (n+1)F	3.ALM2	3/1 I0098	RY (n+1)F		
RX (n+2)0	3.ALM3	3/1 I0099	RY (n+2)0		
RX (n+2)1	4.ALM1	4/1 I0097	RY (n+2)1		
RX (n+2)2	4.ALM2	4/1 I0098	RY (n+2)2		
RX (n+2)3	4.ALM3	4/1 I0099	RY (n+2)3		
RX (n+2)4	5.ALM1	5/1 I0097	RY (n+2)4		
RX (n+2)5	5.ALM2	5/1 I0098	RY (n+2)5		
RX (n+2)6	5.ALM3	5/1 I0099	RY (n+2)6		
RX (n+2)7	6.ALM1	6/1 I0097	RY (n+2)7		
RX (n+2)8	6.ALM2	6/1 I0098	RY (n+2)8		
RX (n+2)9	6.ALM3	6/1 I0099	RY (n+2)9		
RX (n+2)A	7.ALM1	7/1 I0097	RY (n+2)A		
RX (n+2)B	7.ALM2	7/1 I0098	RY (n+2)B		
RX (n+2)C	7.ALM3	7/1 I0099	RY (n+2)C		
RX (n+2)D	8.ALM1	8/1 I0097	RY (n+2)D		
RX (n+2)E	8.ALM2	8/1 I0098	RY (n+2)E		
RX (n+2)F	8.ALM3	8/1 I0099	RY (n+2)F		
RX (n+3) :			RY (n+3) :		
RX (n+4) :			RY (n+4) :		
RX (n+5)0	Normal connection of slave 01		RY (n+5)0		
RX (n+5)1	Normal connection of slave 02		RY (n+5)1		
RX (n+5)2	Normal connection of slave 03		RY (n+5)2		
RX (n+5)3	Normal connection of slave 04		RY (n+5)3		
RX (n+5)4	Normal connection of slave 05		RY (n+5)4		
RX (n+5)5	Normal connection of slave 06		RY (n+5)5		
RX (n+5)6	Normal connection of slave 07		RY (n+5)6		
RX (n+5)7	Normal connection of slave 08		RY (n+5)7		
RX (n+5)8			RY (n+5)8		
RX (n+5)9			RY (n+5)9		
RX (n+5)A			RY (n+5)A		
RX (n+5)B			RY (n+5)B		
RX (n+5)C			RY (n+5)C		
RX (n+5)D			RY (n+5)D		
RX (n+5)E			RY (n+5)E		
RX (n+5)F			RY (n+5)F	Request for re-scanning	
RX (n+6)0 :	(Reserved)		RY (n+6)0 :	(Reserved)	
RX (n+7)A	(Reserved)		RY (n+7)A	(Reserved)	
RX (n+7)B	Remote READY flag		RX (n+7)B	(Reserved)	
RX (n+7)C	(Reserved)		RY (n+7)C	(Reserved)	
RX (n+7)D	(Reserved)		RY (n+7)D	(Reserved)	
RX (n+7)E	(Reserved)		RY (n+7)E	(Reserved)	
RX (n+7)F	(Reserved)		RY (n+7)F	(Reserved)	

1.3 NC210-02-003 and 5 Units Max. of UT3*0/4*0/5*0/750 (PV, OUT, SP) – Data Monitoring Mode (Profile 003)

In this profile, the values of PV, OUT, SP, A/M, R/L, ALM-1, ALM-2 and ALM-3 parameters can be monitored for a maximum of eight digital indicating controllers (UT3*0 has no R/L parameter).

In addition, values can be written into SP and MOUT parameters using a Write Request flag.

It is also possible to change the values of the A/M and/or R/L parameter.

Remote Registers

Remote → Master			Master → Remote		
Address	Signal name	Contents	Address	Signal name	Contents
RWr n+0	1.PV	1/1 D0003	RWw m+0		
RWr n+1	2.PV	2/1 D0003	RWw m+1		
RWr n+2	3.PV	3/1 D0003	RWw m+2		
RWr n+3	4.PV	4/1 D0003	RWw m+3		
RWr n+4	5.PV	5/1 D0003	RWw m+4		
RWr n+5	1.SP	1/1 D0004	RWw m+5	1.SP	1/1 D0301
RWr n+6	2.SP	2/1 D0004	RWw m+6	2.SP	2/1 D0301
RWr n+7	3.SP	3/1 D0004	RWw m+7	3.SP	3/1 D0301
RWr n+8	4.SP	4/1 D0004	RWw m+8	4.SP	4/1 D0301
RWr n+9	5.SP	5/1 D0004	RWw m+9	5.SP	5/1 D0301
RWr n+A	1.OUT	1/1 D0005	RWw m+A	1.MOUT	1/1 D0217
RWr n+B	2.OUT	2/1 D0005	RWw m+B	2.MOUT	2/1 D0217
RWr n+C	3.OUT	3/1 D0005	RWw m+C	3.MOUT	3/1 D0217
RWr n+D	4.OUT	4/1 D0005	RWw m+D	4.MOUT	4/1 D0217
RWr n+E	5.OUT	5/1 D0005	RWw m+E	5.MOUT	5/1 D0217
RWr n+F			RWw m+F		

RS485 ← Fixed communication settings: 9600bps, 8bit, 1bit

→ CC-Link: Station number setting (1 to 61), Transmission speed setting (0: 155 kbps, 1: 625 kbps, 2: 2.5 Mbps, 3: 5 Mbps, 4: 10 Mbps)

Remote Inputs/ Outputs

Remote → Master			Master → Remote		
Address	Signal name	Contents	Address	Signal name	Contents
RX n0		Data monitoring mode	RY n0		Request for data monitoring mode
RX n1		Parameter setting mode	RY n1		Request for parameter setting mode
RX n2			RY n2		
RX n3		Receive data valid flag	RY n3		
RX n4		End of writing	RY n4		Write request
RX n5			RY n5		
RX n6			RY n6		
RX n7			RY n7		
RX n8	1.A/M	1/1 10065	RY n8	1.A/M	1/1 D0201
RX n9	2.A/M	2/1 10065	RY n9	2.A/M	2/1 D0201
RX nA	3.A/M	3/1 10065	RY nA	3.A/M	3/1 D0201
RX nB	4.A/M	4/1 10065	RY nB	4.A/M	4/1 D0201
RX nC	5.A/M	5/1 10065	RY nC	5.A/M	5/1 D0201
RX nD			RY nD		
RX nE			RX nE		
RX nF			RY nF		
RX (n+1)0	1.R/L	1/1 10066	RY (n+1)0	1.R/L	1/1 D0203
RX (n+1)1	2.R/L	2/1 10066	RY (n+1)1	2.R/L	2/1 D0203
RX (n+1)2	3.R/L	3/1 10066	RY (n+1)2	3.R/L	3/1 D0203
RX (n+1)3	4.R/L	4/1 10066	RY (n+1)3	4.R/L	4/1 D0203
RX (n+1)4	5.R/L	5/1 10066	RY (n+1)4	5.R/L	5/1 D0203
RX (n+1)5			RY (n+1)5		
RX (n+1)6			RY (n+1)6		
RX (n+1)7			RY (n+1)7		
RX (n+1)8	1.ALM1	1/1 10097	RY (n+1)8		
RX (n+1)9	1.ALM2	1/1 10098	RY (n+1)9		
RX (n+1)A	1.ALM3	1/1 10099	RY (n+1)A		
RX (n+1)B	2.ALM1	2/1 10097	RY (n+1)B		
RX (n+1)C	2.ALM2	2/1 10098	RY (n+1)C		
RX (n+1)D	2.ALM3	2/1 10099	RY (n+1)D		
RX (n+1)E	3.ALM1	3/1 10097	RY (n+1)E		
RX (n+1)F	3.ALM2	3/1 10098	RY (n+1)F		
RX (n+2)0	3.ALM3	3/1 10099	RY (n+2)0		
RX (n+2)1	4.ALM1	4/1 10097	RY (n+2)1		
RX (n+2)2	4.ALM2	4/1 10098	RY (n+2)2		
RX (n+2)3	4.ALM3	4/1 10099	RY (n+2)3		
RX (n+2)4	5.ALM1	5/1 10097	RY (n+2)4		
RX (n+2)5	5.ALM2	5/1 10098	RY (n+2)5		
RX (n+2)6	5.ALM3	5/1 10099	RY (n+2)6		
RX (n+2)7			RY (n+2)7		
RX (n+2)8			RY (n+2)8		
RX (n+2)9			RY (n+2)9		
RX (n+2)A			RY (n+2)A		
RX (n+2)B			RY (n+2)B		
RX (n+2)C			RY (n+2)C		
RX (n+2)D			RY (n+2)D		
RX (n+2)E			RY (n+2)E		
RX (n+2)F			RY (n+2)F		
RX (n+3) :			RY (n+3) :		
RX (n+4) :			RY (n+4) :		
RX (n+5)0		Normal connection of slave 01	RY (n+5)0		
RX (n+5)1		Normal connection of slave 02	RY (n+5)1		
RX (n+5)2		Normal connection of slave 03	RY (n+5)2		
RX (n+5)3		Normal connection of slave 04	RY (n+5)3		
RX (n+5)4		Normal connection of slave 05	RY (n+5)4		
RX (n+5)5			RY (n+5)5		
RX (n+5)6			RY (n+5)6		
RX (n+5)7			RY (n+5)7		
RX (n+5)8			RY (n+5)8		
RX (n+5)9			RY (n+5)9		
RX (n+5)A			RY (n+5)A		
RX (n+5)B			RY (n+5)B		
RX (n+5)C			RY (n+5)C		
RX (n+5)D			RY (n+5)D		
RX (n+5)E			RY (n+5)E		
RX (n+5)F			RY (n+5)F		Request for re-scanning
RX (n+6)0 :	(Reserved)		RY (n+6)0 :	(Reserved)	
RX (n+7)A	(Reserved)		RY (n+7)A	(Reserved)	
RX (n+7)B	Remote READY flag		RX (n+7)B	(Reserved)	
RX (n+7)C	(Reserved)		RY (n+7)C	(Reserved)	
RX (n+7)D	(Reserved)		RY (n+7)D	(Reserved)	
RX (n+7)E	(Reserved)		RY (n+7)E	(Reserved)	
RX (n+7)F	(Reserved)		RY (n+7)F	(Reserved)	

1.4 NC210-02-061 and 1 Unit of UP550/750 – Data Monitoring Mode (Profile 061)

In this profile, the values of such parameters as PV1, PV2, SP1 and SP2 can be monitored for a single unit of a program controller. In addition, values can be written into LSP and MOUT parameters using a Write Request flag. It is also possible to change the value of the A/M parameter.

Remote Registers

Remote → Master						Master → Remote					
Address	Signal name		Contents	Address	Signal name		Contents				
RWr n+0	PV1	1/1	D0003	RWw m+0							
RWr n+1	PV2	1/1	D0019	RWw m+1							
RWr n+2	CSP1	1/1	D0004	RWw m+2	LSP1	1/1	D0101				
RWr n+3	CSP2	1/1	D0020	RWw m+3	LSP2	1/1	D0102				
RWr n+4	OUT1	1/1	D0005	RWw m+4	MOUT1	1/1	D0217				
RWr n+5	OUT2	1/1	D0021	RWw m+5	MOUT2	1/1	D0219				
RWr n+6	PTN	1/1	D0015	RWw m+6							
RWr n+7	SEGNO	1/1	D0016	RWw m+7							
RWr n+8	TIME	1/1	D0017	RWw m+8							
RWr n+9	HOLDSP1	1/1	D0021	RWw m+9	HOLDSP1	1/1	D0221				
RWr n+A	HOLDSP2	1/1	D0022	RWw m+A	HOLDSP2	1/1	D0222				
RWr n+B	HOLDTM	1/1	D0023	RWw m+B	HOLDTM	1/1	D0223				
RWr n+C	HOLD	1/1	D0009	RWw m+C	HOLD	1/1	D0209				
RWr n+D				RWw m+D	ADV	1/1	D0210				
RWr n+E	R/P/L	1/1	D0208	RWw m+E	R/P/L	1/1	D0208				
RWr n+F	S.OUT	8/1	D0214	RWw m+F	S.PTN	1/1	D0214				

RS485 ← Fixed communication settings 9600bps 8bit 1bit

CC-Link → Station number setting 1 to 61
Transmission speed setting
0 : 155 kbps
1 : 625 kbps
2 : 2.5 Mbps
3 : 5 Mbps
4 : 10 Mbps

Remote Inputs/ Outputs

Remote → Master			Master → Remote		
Address	Signal name	Contents	Address	Signal name	Contents
RX n0		Data monitoring mode	RY n0		Request for data monitoring mode
RX n1		Parameter setting mode	RY n1		Request for parameter setting mode
RX n2		Program setting mode	RY n2		Request for program setting mode
RX n3		Receive data valid flag	RY n3		
RX n4		End of writing	RY n4		Write request
RX n5			RY n5		
RX n6			RY n6		
RX n7			RY n7		
RX n8			RY n8		
RX n9			RY n9		
RX nA			RY nA		
RX nB	RESET	1/1 I0073	RY nB		
RX nC	PROG	1/1 I0074	RY nC		
RX nD	LOCAL	1/1 I0075	RY nD		
RX nE	HOLD	1/1 I0077	RX nE		
RX nF	WAIT	1/1 I0078	RY nF		
RX (n+1)0	A/M1	1/1 I0065	RY (n+1)0	A/M1	1/1 D0211
RX (n+1)1	A/M2	2/1 I0081	RY (n+1)1	A/M2	1/1 D0212
RX (n+1)2			RY (n+1)2		
RX (n+1)3			RY (n+1)3		
RX (n+1)4	ALM1	1/1 I0097	RY (n+1)4		
RX (n+1)5	ALM2	1/1 I0098	RY (n+1)5		
RX (n+1)6	ALM3	1/1 I0099	RY (n+1)6		
RX (n+1)7	ALM4	1/1 I0101	RY (n+1)7		
RX (n+1)8	PVE1	1/1 I0113	RY (n+1)8		
RX (n+1)9	PVE2	1/1 I0114	RY (n+1)9		
RX (n+1)A	PVE3	1/1 I0115	RY (n+1)A		
RX (n+1)B	PVE4	1/1 I0117	RY (n+1)B		
RX (n+1)C	PVE5	1/1 I0118	RY (n+1)C		
RX (n+1)D	PVE6	1/1 I0119	RY (n+1)D		
RX (n+1)E	PVE7	1/1 I0121	RY (n+1)E		
RX (n+1)F	PVE8	1/1 I0122	RY (n+1)F		
RX (n+2)0	TME1	1/1 I0129	RY (n+2)0		
RX (n+2)1	TME2	1/1 I0130	RY (n+2)1		
RX (n+2)2	TME3	1/1 I0131	RY (n+2)2		
RX (n+2)3	TME4	1/1 I0133	RY (n+2)3		
RX (n+2)4	TME5	1/1 I0134	RY (n+2)4		
RX (n+2)5	TME6	1/1 I0135	RY (n+2)5		
RX (n+2)6	TME7	1/1 I0137	RY (n+2)6		
RX (n+2)7	TME8	1/1 I0138	RY (n+2)7		
RX (n+2)8	TME9	1/1 I0145	RY (n+2)8		
RX (n+2)9	TME10	1/1 I0146	RY (n+2)9		
RX (n+2)A	TME11	1/1 I0147	RY (n+2)A		
RX (n+2)B	TME12	1/1 I0149	RY (n+2)B		
RX (n+2)C	TME13	1/1 I0150	RY (n+2)C		
RX (n+2)D	TME14	1/1 I0151	RY (n+2)D		
RX (n+2)E	TME15	1/1 I0153	RY (n+2)E		
RX (n+2)F	TME16	1/1 I0154	RY (n+2)F		
RX (n+3) :			RY (n+3) :		
RX (n+4) :			RY (n+4) :		
RX (n+5)0		Normal connection of slave 01	RY (n+5)0		
RX (n+5)1			RY (n+5)1		
RX (n+5)2			RY (n+5)2		
RX (n+5)3			RY (n+5)3		
RX (n+5)4			RY (n+5)4		
RX (n+5)5			RY (n+5)5		
RX (n+5)6			RY (n+5)6		
RX (n+5)7			RY (n+5)7		
RX (n+5)8			RY (n+5)8		
RX (n+5)9			RY (n+5)9		
RX (n+5)A			RY (n+5)A		
RX (n+5)B			RY (n+5)B		
RX (n+5)C			RY (n+5)C		
RX (n+5)D			RY (n+5)D		
RX (n+5)E			RY (n+5)E		
RX (n+5)F			RY (n+5)F	Request for re-scanning	
RX (n+6)0 :	(Reserved)		RY (n+6)0 :	(Reserved)	
RX (n+7)A	(Reserved)		RY (n+7)A	(Reserved)	
RX (n+7)B	Remote READY flag		RX (n+7)B	(Reserved)	
RX (n+7)C	(Reserved)		RY (n+7)C	(Reserved)	
RX (n+7)D	(Reserved)		RY (n+7)D	(Reserved)	
RX (n+7)E	(Reserved)		RY (n+7)E	(Reserved)	
RX (n+7)F	(Reserved)		RY (n+7)F	(Reserved)	

1.5 NC210-02-101 and 16 Units Max. of VJ – Data Monitoring Mode (Profile 101)**

In this profile, the value of the OUT parameter can be monitored for a 16 units maximum of VJU7, VJH7, VJA7, VJQ7, VJQ8, VJS7 and VJX7 signal converters with an RS485 option.

No value can be written into the OUT parameter.

Remote Registers

Remote → Master				Master → Remote			
Address	Signal name	Contents	Address	Signal name	Contents		
RWr n+0	1.OUT	1/1 D0008	RWw m+0			Station number setting 1 to 61	
RWr n+1	2.OUT	2/1 D0008	RWw m+1			Transmission speed setting 0: 156 kbps 1: 625 kbps 2: 2.5 Mbps 3: 5 Mbps 4: 10 Mbps	
RWr n+2	3.OUT	3/1 D0008	RWw m+2				
RWr n+3	4.OUT	4/1 D0008	RWw m+3				
RWr n+4	5.OUT	5/1 D0008	RWw m+4				
RWr n+5	6.OUT	6/1 D0008	RWw m+5				
RWr n+6	7.OUT	7/1 D0008	RWw m+6				
RWr n+7	8.OUT	8/1 D0008	RWw m+7				
RWr n+8	9.OUT	9/1 D0008	RWw m+8				
RWr n+9	10.OUT	10/1 D0008	RWw m+9				
RWr n+A	11.OUT	11/1 D0008	RWw m+A				
RWr n+B	12.OUT	12/1 D0008	RWw m+B				
RWr n+C	13.OUT	13/1 D0008	RWw m+C				
RWr n+D	14.OUT	14/1 D0008	RWw m+D				
RWr n+E	15.OUT	15/1 D0008	RWw m+E				
RWr n+F	16.OUT	16/1 D0008	RWw m+F				

Remote Inputs/ Outputs

Remote → Master			Master → Remote		
Address	Signal name	Contents	Address	Signal name	Contents
RX n0	Data monitoring mode		RY n0	Request for data monitoring mode	
RX n1			RY n1		
RX n2			RY n2		
RX n3	Receive data valid flag		RY n3		
RX n4			RY n4		
RX n5			RY n5		
RX n6			RY n6		
RX n7			RY n7		
RX n8			RY n8		
RX n9			RY n9		
RX nA			RY nA		
RX nB			RY nB		
RX nC			RY nC		
RX nD			RY nD		
RX nE			RY nE		
RX nF			RY nF		
RX (n+1)0			RY (n+1)0		
RX (n+1)1			RY (n+1)1		
RX (n+1)2			RY (n+1)2		
RX (n+1)3			RY (n+1)3		
RX (n+1)4			RY (n+1)4		
RX (n+1)5			RY (n+1)5		
RX (n+1)6			RY (n+1)6		
RX (n+1)7			RY (n+1)7		
RX (n+1)8			RY (n+1)8		
RX (n+1)9			RY (n+1)9		
RX (n+1)A			RY (n+1)A		
RX (n+1)B			RY (n+1)B		
RX (n+1)C			RY (n+1)C		
RX (n+1)D			RY (n+1)D		
RX (n+1)E			RY (n+1)E		
RX (n+1)F			RY (n+1)F		
RX (n+2)0			RY (n+2)0		
RX (n+2)1			RY (n+2)1		
RX (n+2)2			RY (n+2)2		
RX (n+2)3			RY (n+2)3		
RX (n+2)4			RY (n+2)4		
RX (n+2)5			RY (n+2)5		
RX (n+2)6			RY (n+2)6		
RX (n+2)7			RY (n+2)7		
RX (n+2)8			RY (n+2)8		
RX (n+2)9			RY (n+2)9		
RX (n+2)A			RY (n+2)A		
RX (n+2)B			RY (n+2)B		
RX (n+2)C			RY (n+2)C		
RX (n+2)D			RY (n+2)D		
RX (n+2)E			RY (n+2)E		
RX (n+2)F			RY (n+2)F		
RX (n+3) :			RY (n+3) :		
RX (n+4) :			RY (n+4) :		
RX (n+5)0	Normal connection of slave 01		RY (n+5)0		
RX (n+5)1	Normal connection of slave 02		RY (n+5)1		
RX (n+5)2	Normal connection of slave 03		RY (n+5)2		
RX (n+5)3	Normal connection of slave 04		RY (n+5)3		
RX (n+5)4	Normal connection of slave 05		RY (n+5)4		
RX (n+5)5	Normal connection of slave 06		RY (n+5)5		
RX (n+5)6	Normal connection of slave 07		RY (n+5)6		
RX (n+5)7	Normal connection of slave 08		RY (n+5)7		
RX (n+5)8	Normal connection of slave 09		RY (n+5)8		
RX (n+5)9	Normal connection of slave 10		RY (n+5)9		
RX (n+5)A	Normal connection of slave 11		RY (n+5)A		
RX (n+5)B	Normal connection of slave 12		RY (n+5)B		
RX (n+5)C	Normal connection of slave 13		RY (n+5)C		
RX (n+5)D	Normal connection of slave 14		RY (n+5)D		
RX (n+5)E	Normal connection of slave 15		RY (n+5)E		
RX (n+5)F	Normal connection of slave 16		RY (n+5)F	Request for re-scanning	
RX (n+6)0 :	(Reserved)		RY (n+6)0 :	(Reserved)	
RX (n+7)A	(Reserved)		RY (n+7)A	(Reserved)	
RX (n+7)B	Remote READY flag		RY (n+7)B	(Reserved)	
RX (n+7)C	(Reserved)		RY (n+7)C	(Reserved)	
RX (n+7)D	(Reserved)		RY (n+7)D	(Reserved)	
RX (n+7)E	(Reserved)		RY (n+7)E	(Reserved)	
RX (n+7)F	(Reserved)		RY (n+7)F	(Reserved)	

1.6 NC210-02-201 and 1 Unit of PR201/UZ005 – Data Monitoring Mode (Profile 201)

In this profile, the integrated power and instantaneous power values of a PR201/UZ005 power monitor can be monitored. In addition, values can be written into PT and CT parameters.

Remote Registers

Remote → Master				Master → Remote			
Address	Signal name		Contents	Address	Signal name		Contents
RWr n+0	WH1L	1/1	D0001	RWw m+0	PTL1	1/1	D0043
RWr n+1	WH1H	1/1	D0002	RWw m+1	PTH1	1/1	D0044
RWr n+2	W1L	1/1	D0007	RWw m+2	CTL1	1/1	D0045
RWr n+3	W1H	1/1	D0008	RWw m+3	CTH1	1/1	D0046
RWr n+4	WH2L	2/1	D0001	RWw m+4	PTL2	2/1	D0043
RWr n+5	WH2H	2/1	D0002	RWw m+5	PTH2	2/1	D0044
RWr n+6	W2L	2/1	D0007	RWw m+6	CTL2	2/1	D0045
RWr n+7	W2H	2/1	D0008	RWw m+7	CTH2	2/1	D0046
RWr n+8	WH3L	3/1	D0001	RWw m+8	PTL3	3/1	D0043
RWr n+9	WH3H	3/1	D0002	RWw m+9	PTH3	3/1	D0044
RWr n+A	W3L	3/1	D0007	RWw m+A	CTL3	3/1	D0045
RWr n+B	W3H	3/1	D0008	RWw m+B	CTH3	3/1	D0046
RWr n+C	WH4L	4/1	D0001	RWw m+C	PTL4	4/1	D0043
RWr n+D	WH4H	4/1	D0002	RWw m+D	PTH4	4/1	D0044
RWr n+E	W4L	4/1	D0007	RWw m+E	CTL4	4/1	D0045
RWr n+F	W4H	4/1	D0008	RWw m+F	CTH4	4/1	D0046

RS485 ← Fixed communication settings 9600bps 8bit 1bit

CC-Link → Station number setting 1 to 61
Transmission speed setting
0: 156 kbps
1: 625 kbps
2: 2.5 Mbps
3: 5 Mbps
4: 10 Mbps

Remote Inputs/ Outputs

Remote → Master			Master → Remote		
Address	Signal name	Contents	Address	Signal name	Contents
RX n0		Data monitoring mode	RY n0		Request for data monitoring mode
RX n1		Parameter setting mode	RY n1		Request for parameter setting mode
RX n2			RY n2		
RX n3		Receive data valid flag	RY n3		
RX n4		End of writing	RY n4		Write request
RX n5			RY n5		
RX n6			RY n6		
RX n7			RY n7		
RX n8			RY n8		
RX n9			RY n9		
RX nA			RY nA		
RX nB			RY nB		
RX nC			RY nC		
RX nD			RY nD		
RX nE			RX nE		
RX nF			RY nF		
RX (n+1)0			RY (n+1)0		Re-setting 1/1 D0072
RX (n+1)1			RY (n+1)1		Re-setting 2/1 D0072
RX (n+1)2			RY (n+1)2		Re-setting 3/1 D0072
RX (n+1)3			RY (n+1)3		Re-setting 4/1 D0072
RX (n+1)4			RY (n+1)4		
RX (n+1)5			RY (n+1)5		
RX (n+1)6			RY (n+1)6		
RX (n+1)7			RY (n+1)7		
RX (n+1)8			RY (n+1)8		
RX (n+1)9			RY (n+1)9		
RX (n+1)A			RY (n+1)A		
RX (n+1)B			RY (n+1)B		
RX (n+1)C			RY (n+1)C		
RX (n+1)D			RY (n+1)D		
RX (n+1)E			RY (n+1)E		
RX (n+1)F			RY (n+1)F		
RX (n+2)0			RY (n+2)0		
RX (n+2)1			RY (n+2)1		
RX (n+2)2			RY (n+2)2		
RX (n+2)3			RY (n+2)3		
RX (n+2)4			RY (n+2)4		
RX (n+2)5			RY (n+2)5		
RX (n+2)6			RY (n+2)6		
RX (n+2)7			RY (n+2)7		
RX (n+2)8			RY (n+2)8		
RX (n+2)9			RY (n+2)9		
RX (n+2)A			RY (n+2)A		
RX (n+2)B			RY (n+2)B		
RX (n+2)C			RY (n+2)C		
RX (n+2)D			RY (n+2)D		
RX (n+2)E			RY (n+2)E		
RX (n+2)F			RY (n+2)F		
RX (n+3) :			RY (n+3) :		
RX (n+4) :			RY (n+4) :		
RX (n+5)0		Normal connection of slave 01	RY (n+5)0		
RX (n+5)1		Normal connection of slave 02	RY (n+5)1		
RX (n+5)2		Normal connection of slave 03	RY (n+5)2		
RX (n+5)3		Normal connection of slave 04	RY (n+5)3		
RX (n+5)4			RY (n+5)4		
RX (n+5)5			RY (n+5)5		
RX (n+5)6			RY (n+5)6		
RX (n+5)7			RY (n+5)7		
RX (n+5)8			RY (n+5)8		
RX (n+5)9			RY (n+5)9		
RX (n+5)A			RY (n+5)A		
RX (n+5)B			RY (n+5)B		
RX (n+5)C			RY (n+5)C		
RX (n+5)D			RY (n+5)D		
RX (n+5)E			RY (n+5)E		
RX (n+5)F			RY (n+5)F		Request for re-scanning
RX (n+6)0 :		(Reserved)	RY (n+6)0 :		(Reserved)
RX (n+7)A		(Reserved)	RY (n+7)A		(Reserved)
RX (n+7)B		Remote READY flag	RY (n+7)B		(Reserved)
RX (n+7)C		(Reserved)	RY (n+7)C		(Reserved)
RX (n+7)D		(Reserved)	RY (n+7)D		(Reserved)
RX (n+7)E		(Reserved)	RY (n+7)E		(Reserved)
RX (n+7)F		(Reserved)	RY (n+7)F		(Reserved)

2. Parameter Setting Mode

In case of the model is NC210-02-001, configuration profile is as following. The other configuration profiles (002, 003, 061 and 201) are the same pattern expect that the available bit number of RX (n+5) depends on the connectable slave number.

Remote Registers

Remote → Master			Master → Remote		
Address	Signal name	Contents	Address	Signal name	Contents
RWr n+0	First parameter + 0	Read-out data	RWw m+0	First parameter + 0	Setting data
RWr n+1	First parameter + 1	Read-out data	RWw m+1	First parameter + 1	Setting data
RWr n+2	First parameter + 2	Read-out data	RWw m+2	First parameter + 2	Setting data
RWr n+3	First parameter + 3	Read-out data	RWw m+3	First parameter + 3	Setting data
RWr n+4	First parameter + 4	Read-out data	RWw m+4	First parameter + 4	Setting data
RWr n+5	First parameter + 5	Read-out data	RWw m+5	First parameter + 5	Setting data
RWr n+6	First parameter + 6	Read-out data	RWw m+6	First parameter + 6	Setting data
RWr n+7	First parameter + 7	Read-out data	RWw m+7	First parameter + 7	Setting data
RWr n+8	First parameter + 8	Read-out data	RWw m+8	First parameter + 8	Setting data
RWr n+9	First parameter + 9	Read-out data	RWw m+9	First parameter + 9	Setting data
RWr n+A	First parameter + 10	Read-out data	RWw m+A	First parameter + 10	Setting data
RWr n+B	First parameter + 11	Read-out data	RWw m+B	First parameter + 11	Setting data
RWr n+C	First parameter + 12	Read-out data	RWw m+C	First parameter + 12	Setting data
RWr n+D	First parameter + 13	Read-out data	RWw m+D	First parameter + 13	Setting data
RWr n+E	First parameter address		RWw m+E	First parameter address	
RWr n+F	ADR and number of parameters		RWw m+F	ADR and number of parameters	

Remote Inputs/ Outputs

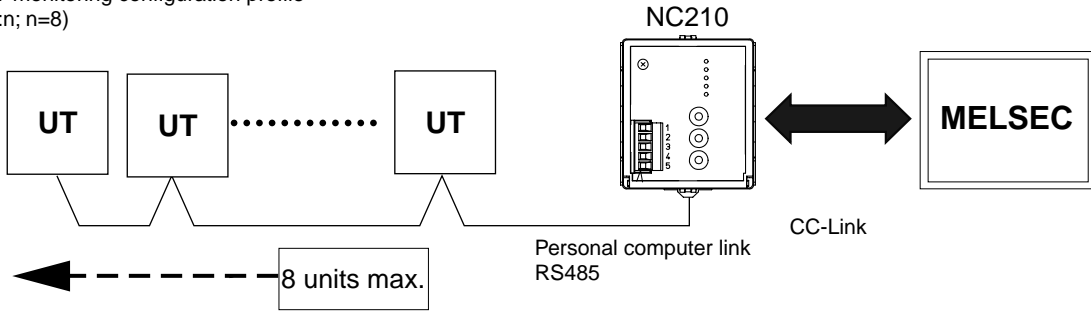
Remote → Master			Master → Remote		
Address	Signal name	Contents	Address	Signal name	Contents
RX n0		Data monitoring mode	RY n0		Request for data monitoring mode
RX n1		Parameter setting mode	RY n1		Request for parameter setting mode
RX n2			RY n2		
RX n3		Receive data valid flag	RY n3		
RX n4		End of writing	RY n4		Write request
RX n5		End of reading	RY n5		Read request
RX n6			RY n6		
RX n7			RY n7		
RX n8			RY n8		
RX n9			RY n9		
RX nA			RY nA		
RX nB			RY nB		
RX nC			RY nC		
RX nD			RY nD		
RX nE			RY nE		
RX nF			RY nF		
RX (n+1) :			RY (n+1) :		
RX (n+2) :			RY (n+2) :		
RX (n+3) :			RY (n+3) :		
RX (n+4) :			RY (n+4) :		
RX (n+5)0		Normal connection of slave 01	RY (n+5)0		
RX (n+5)1		Normal connection of slave 02	RY (n+5)1		
RX (n+5)2		Normal connection of slave 03	RY (n+5)2		
RX (n+5)3		Normal connection of slave 04	RY (n+5)3		
RX (n+5)4		Normal connection of slave 05	RY (n+5)4		
RX (n+5)5		Normal connection of slave 06	RY (n+5)5		
RX (n+5)6		Normal connection of slave 07	RY (n+5)6		
RX (n+5)7		Normal connection of slave 08	RY (n+5)7		
RX (n+5)8			RY (n+5)8		
RX (n+5)9			RY (n+5)9		
RX (n+5)A			RY (n+5)A		
RX (n+5)B			RY (n+5)B		
RX (n+5)C			RY (n+5)C		
RX (n+5)D			RY (n+5)D		
RX (n+5)E			RY (n+5)E		
RX (n+5)F			RY (n+5)F		
RX (n+6) :	(Reserved)		RY (n+6) :	(Reserved)	
RX (n+7)A	(Reserved)		RY (n+7)A	(Reserved)	
RX (n+7)B		Remote READY flag	RY (n+7)B	(Reserved)	
RX (n+7)C	(Reserved)		RY (n+7)C	(Reserved)	
RX (n+7)D	(Reserved)		RY (n+7)D	(Reserved)	
RX (n+7)E	(Reserved)		RY (n+7)E	(Reserved)	
RX (n+7)F	(Reserved)		RY (n+7)F	(Reserved)	

3. Program Setting Mode

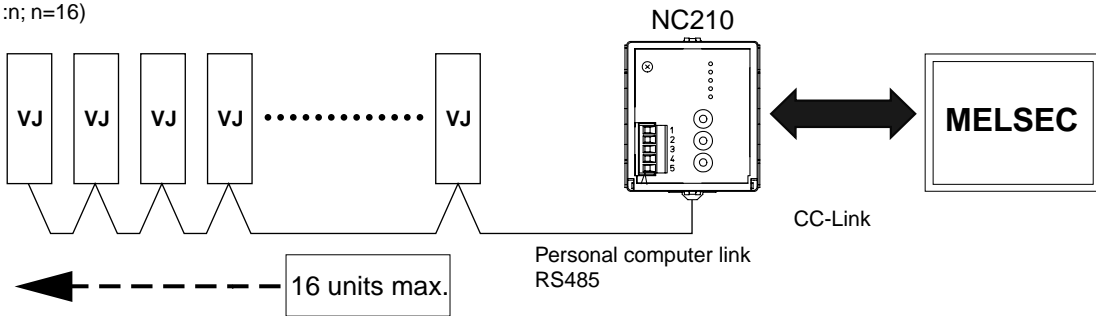
In case of only the model NC210-02-061, program setting mode is available for setting program pattern from PLC.

■ Communication Wiring Diagram

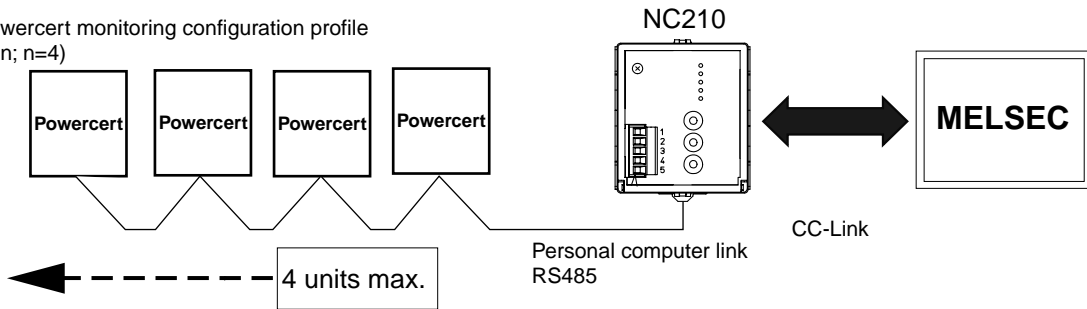
UT monitoring configuration profile
(1:n; n=8)



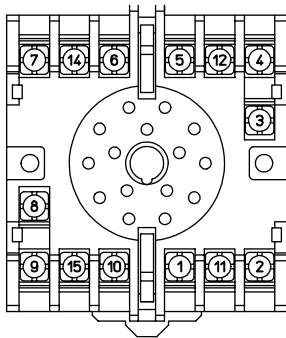
VJ monitoring configuration profile
(1:n; n=16)



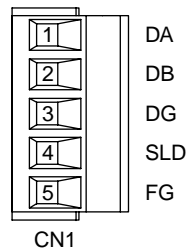
Powercert monitoring configuration profile
(1:n; n=4)



■ Terminal Arrangement



Terminal No.	Signal	
1	RS-485	A-
2	TERMN	(Note)
3	N.C	
4	N.C	
5	N.C	
6	N.C	
7	SUPPLY	L
8	SUPPLY	⊥
9	RS-485	SG
10	RS-485	B+
11	TERMN	(Note)
12	N.C	
14	SUPPLY	N
15	N.C	

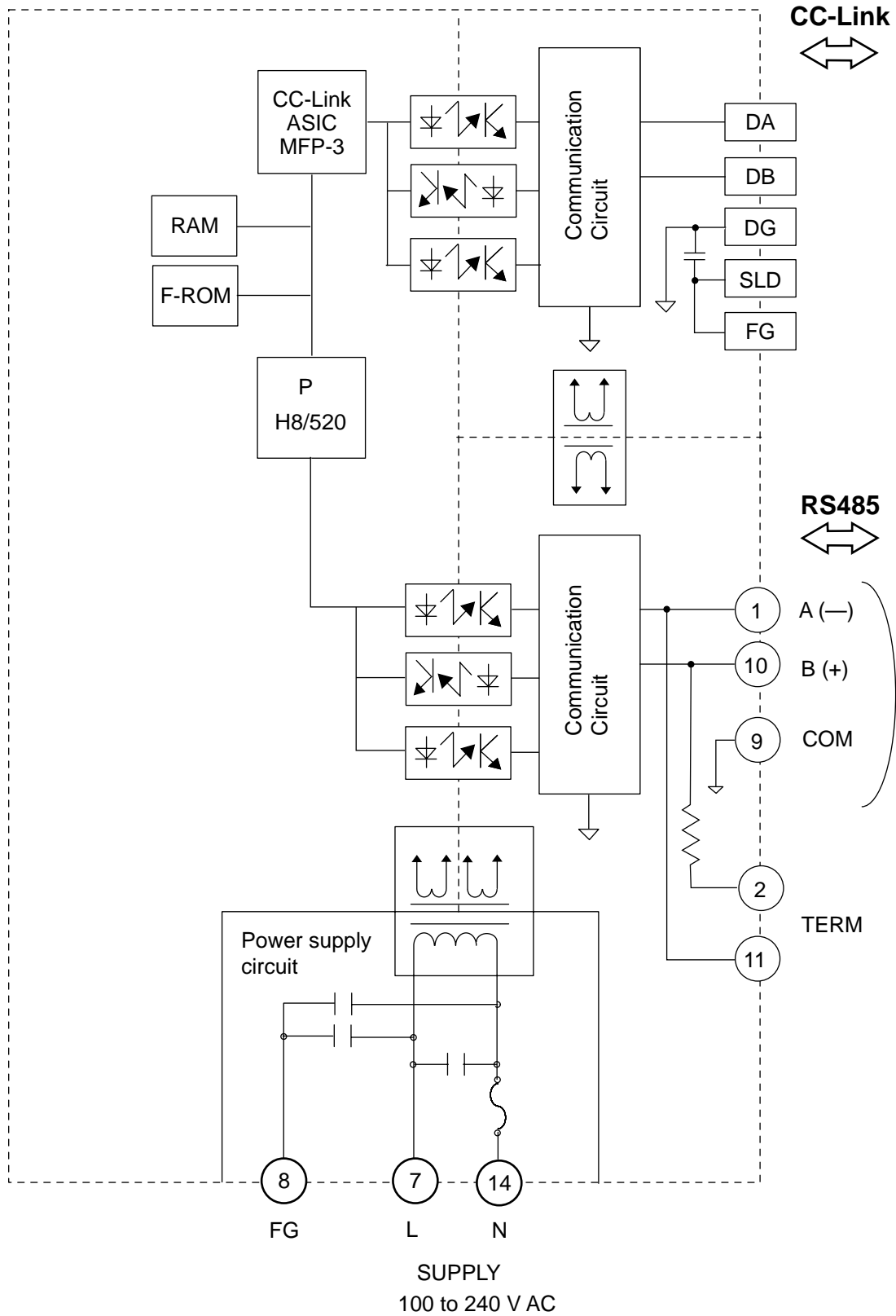


CN1 Connector Assignments

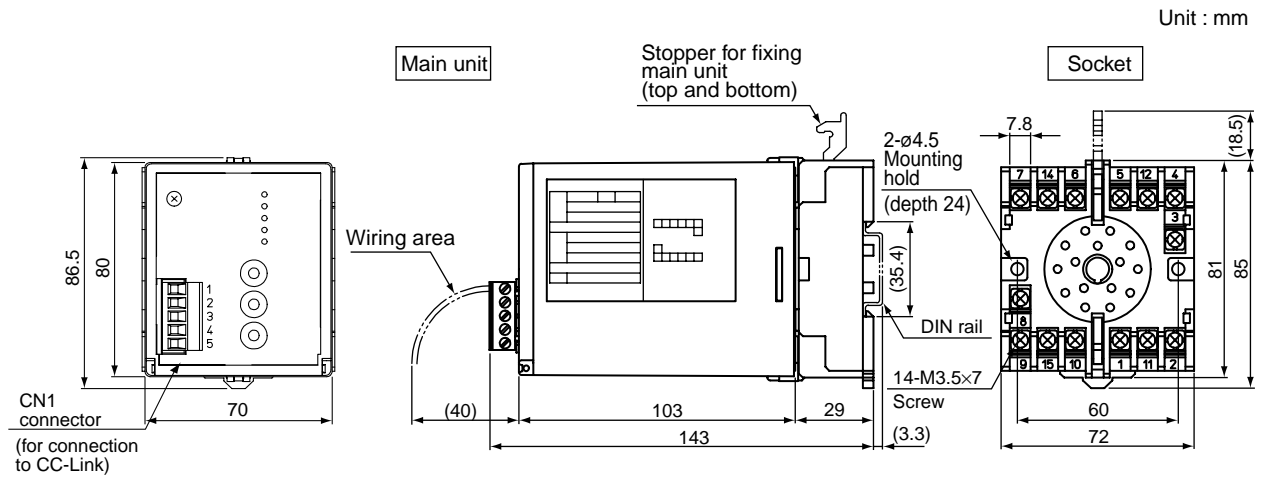
Terminal number	CC-Link Signal name
1	DA
2	DB
3	DG
4	SLD
5	FG

Note: The terminating resistor is enabled by shorting terminals 2 and 11.
N.C: Not connected (unusable).

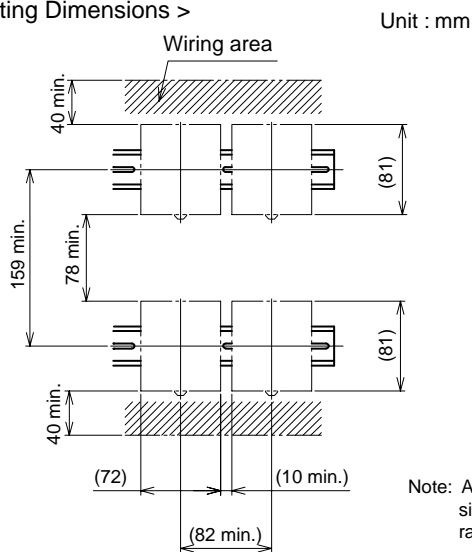
■ Block Diagram



■ Dimensions



< Mounting Dimensions >



Note: A minimum spacing of 10 mm is required between NC210 converters for close, side-by-side mounting. No spacing is required, however, if the converters are rated for a 100 to 120 V AC supply voltage range.