Schneider MODBUS RTU

Supported Series : Schneider MODBUS RTU CONTROLLER (M221)
Website: http://www.schneider-electric.com/site/home/index.cfm/ww/

HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	Schneider MODBUS RTU		
PLC I/F	RS485	RS232/RS485	
Baud rate	9600	9600~115200	
Data bits	8	7,8	
Parity	Even	Even, Odd, None	
Stop bits	1	1,2	
PLC sta. no.	1	0-255	

Online simulator	YES	**Broadcast command**	YES
Extend address mode	YES		

PLC Setting:

Communication mode	Modbus RTU protocol

Device Address:

Bit/Word	Device type	Format	Range	Memo
B	%IX	DDDDDo	0 ~ 655357	Input bit (read only)
B	%QX	DDDDDo	0 ~ 655357	Write multiple coils
B	%MX	DDDDDDo	0 ~ 9999997	Output register bit (octal)
B	%M	DDDDD	0 ~ 65535	Output bit
B	%MW_Bit	DDDDDdd	0 ~ 6553515	Output register bit (decimal)
B	1x	DDDDD	0 ~ 65535	Input bit (read only)
B	0x_multi_coils	DDDDD	0 ~ 65535	Write multiple coils
B	3x_Bit	DDDDDdd	0 ~ 6553515	Input register bit (read only)
W	%MW	DDDDDD	0 ~ 999999	Output register
DW	%MD	DDDDDD	0 ~ 999999	Output register
W	3x	DDDDD	0 ~ 65535	Input Register (read only)
DW	5x	DDDDD	0 ~ 65535	4x double word swap
DW	6x	DDDDD	0 ~ 65535	4x single word write

Wiring Diagram:

RJ45 Connector (Diagram 1 ~ Diagram 6)

Diagram 1

cMT Series	cMT3151
eMT Series	eMT3070/ eMT3105 / eMT3120 / eMT3150

HMI				PLC
	COM1	COM3		RS485 2W 8P RJ45
	RS485 2W 9P Male	RS485 2W 9P Male		
Data-	1	6	←→	5
Data+	2	9	←→	4
GND	5	5	←→	8
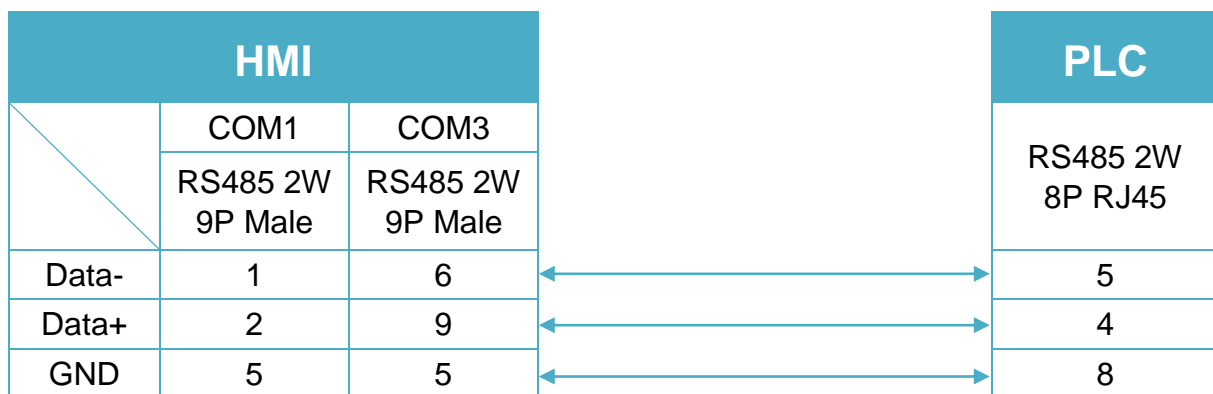
Diagram 2

cMT Series	cMT-SVR/ cMT-G01 / cMT-G02 / cMT-HDM / cMT-FHD
mTV	mTV

HMI				PLC
	COM2	COM3		RS485 2W 8P RJ45
	RS485 2W 9P Female	RS485 2W 9P Female		
Data-	7	4	←→	5
Data+	6	1	←→	4
GND	5	5	←→	8
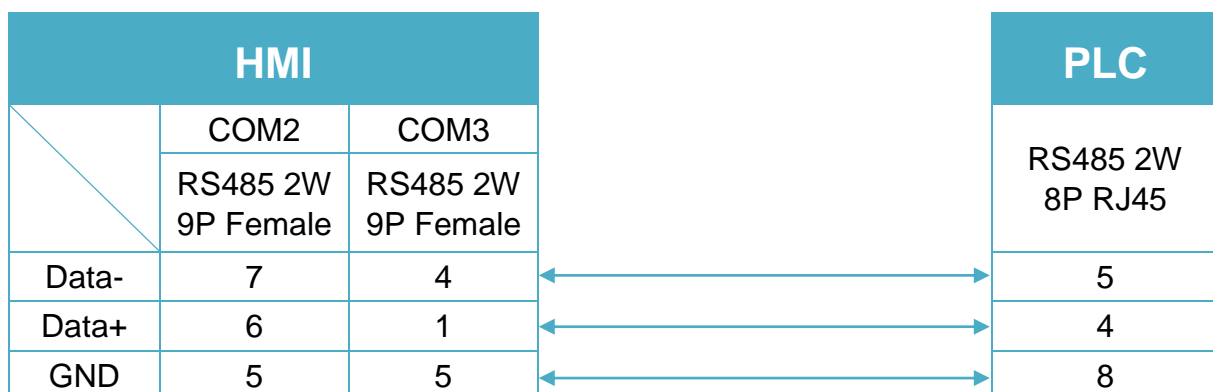
Diagram 3

MT-iE	*MT8070iE / MT6070iE / MT8100iE / MT8121iE / MT8150iE*
MT-XE	*MT8121XE / MT8150XE*

	HMI			PLC
	COM1	COM3		RS485 2W 8P RJ45
	RS485 2W 9P Male	RS485 2W 9P Male		
Data-	1	7	⟷	5
Data+	2	8	⟷	4
GND	5	9	⟷	8
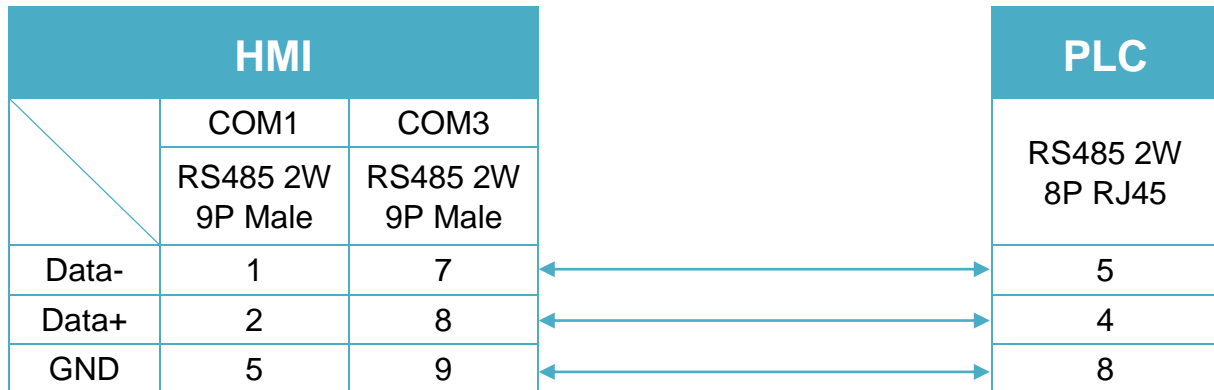
Diagram 4

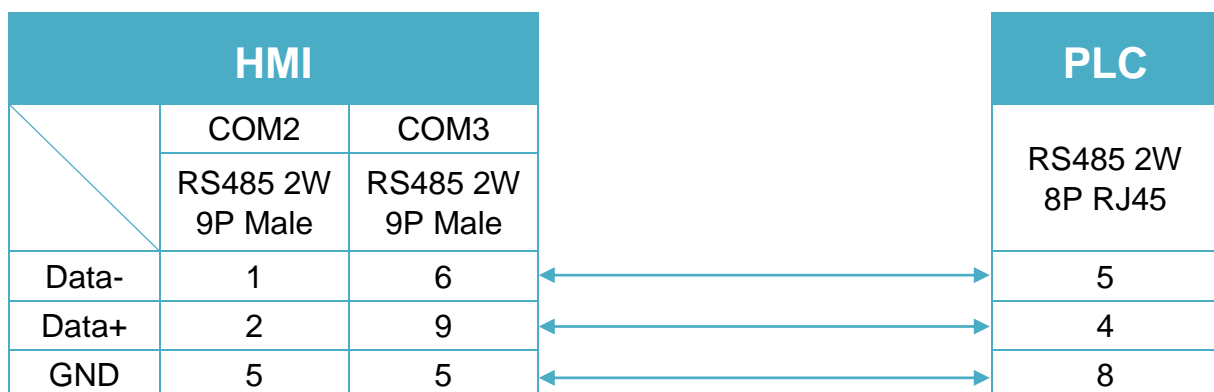| cMT Series	*cMT3071 / cMT3072 / cMT3090 / cMT3103*
MT-iE	*MT8071iE / MT6071iE / MT8072iE / MT6072iE / MT8073iE / MT8101iE / MT8102iE / MT8103iE*
MT-XE	*MT8090XE / MT8092XE*
MT-iP	*MT6103iP / MT8102iP*

	HMI			PLC
	COM2	COM3		RS485 2W 8P RJ45
	RS485 2W 9P Male	RS485 2W 9P Male		
Data-	1	6	⟷	5
Data+	2	9	⟷	4
GND	5	5	⟷	8

WEINTEK

Diagram 5

MT-iE	MT8050iE / MT8053iE
MT-iP	MT6051iP/ MT8051iP

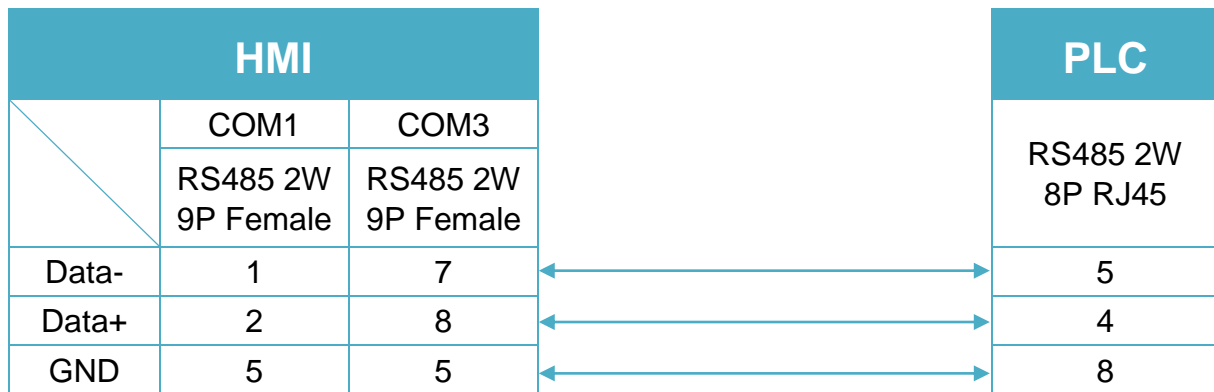| HMI			PLC	
	COM1	COM3	RS485 2W 8P RJ45	
	RS485 2W 9P Female	RS485 2W 9P Female		
Data-	1	7	←→	5
Data+	2	8	←→	4
GND	5	5	←→	8

Diagram 6

MT-iP	MT6071iP / MT8071iP

HMI		PLC	
	COM2	RS485 2W 8P RJ45	
	RS485 2W 9P Female		
Data-	1	←→	5
Data+	2	←→	4
GND	5	←→	8