

# Instructions of Coolmay TK series HMI communicating with other band PLC

#### HMI model:

• TK6037FH



Pin number	description	
RS232 communicat	ion port definition	
RXD	receive	
TXD	send	
GND	Ground/DC24V-	
RS485 communication port definition		
Α	485+	
В	485-	
DC24V power supply		
24V	DC24V+	
GND	Ground/DC24V-	

TK6043FH/TK6050FH



Pin	signal	description
number		
RS232 comn	nunication port	definition
2	RXD	receive
3	TXD	send
5	GND	ground
RS485 communication port definition		
1	Α	485+
6	В	485-

• TK6070FH



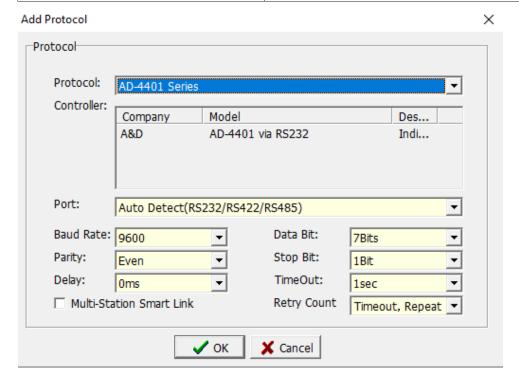


Pin	signal	description
number		
RS232 comn	nunication port	definition
2	RXD	receive
3	TXD	send
5	GND	ground
RS485 communication port definition		
	Α	485+
	В	485-

# 1. AD4401 (Japan AlAND weighing controller)

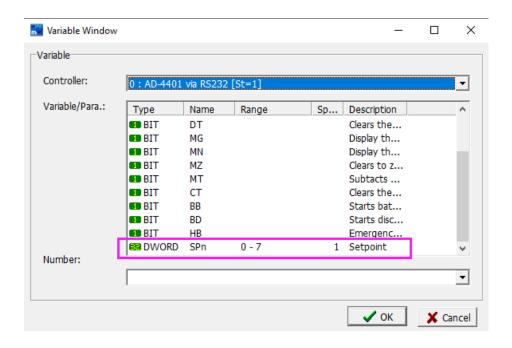
# > TK software settings

Parameter item	Recommended settings
Protocol	AD-4401 Series
Communication port type	RS232
Communication rate	9600
Synchronization check	Even parity
Number of data	7 digits
Stop digits	1 digit



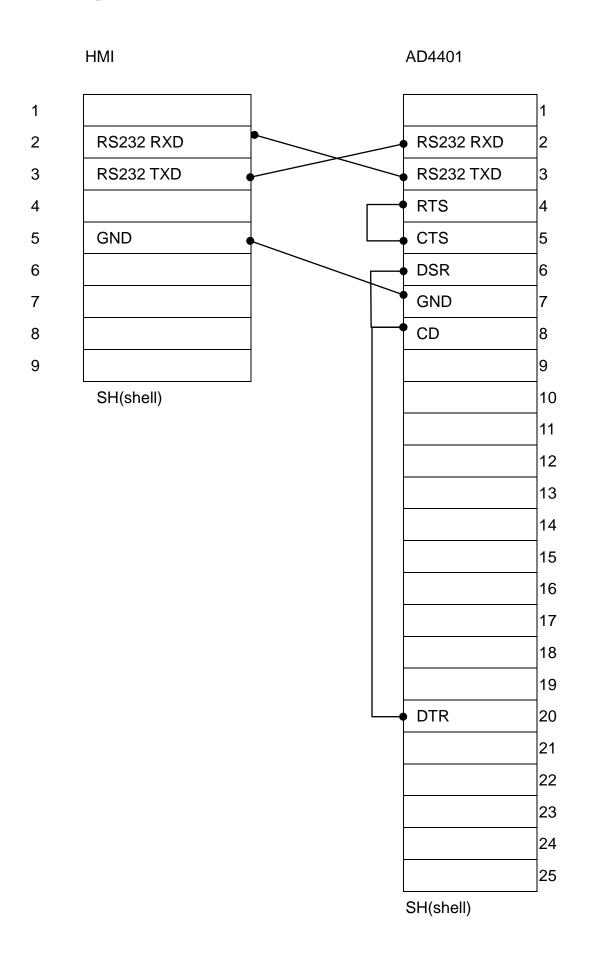
### Variable





➤ Diagram of TK(COM1)-AD4401 communication cable







# DB9(female)Connector

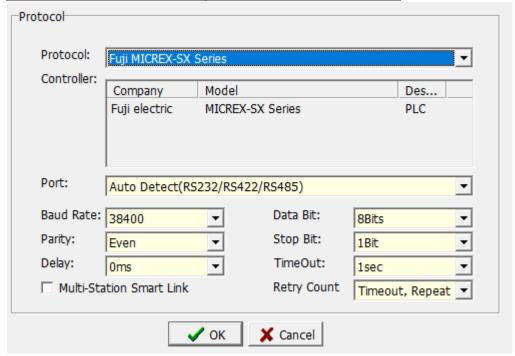


## DB25(male)Connector



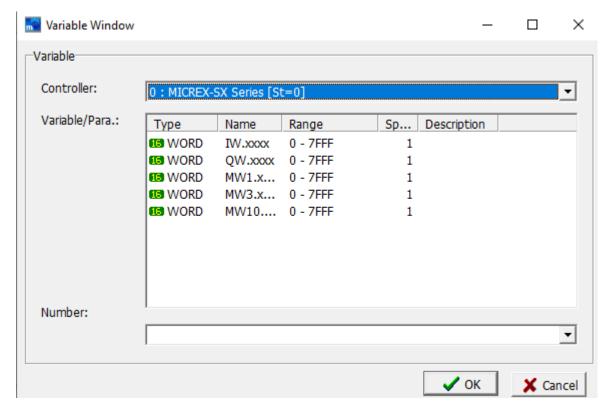
# 2. Fuji MICREX-SX Series (Fuji)

Parameter item	Recommended settings
Protocol	Fuji MICREX-SX Series
Communication port type	RS232
Communication rate	38400
Synchronization check	Even parity
Number of data	8 digits
Stop digits	1 digit

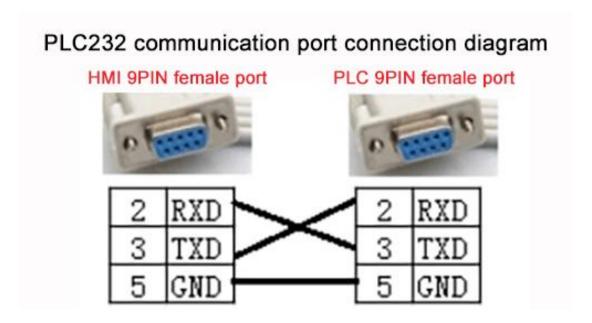


➤ Manipulable variable





➤ TK-Fuji MICREX-SX Series Communication cable connection diagram (using 232 crossover cable)

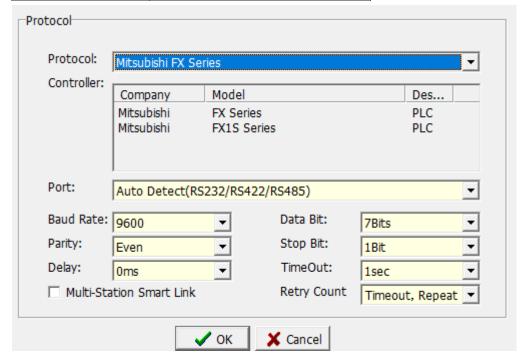


#### 3. Mitsubishi FX series

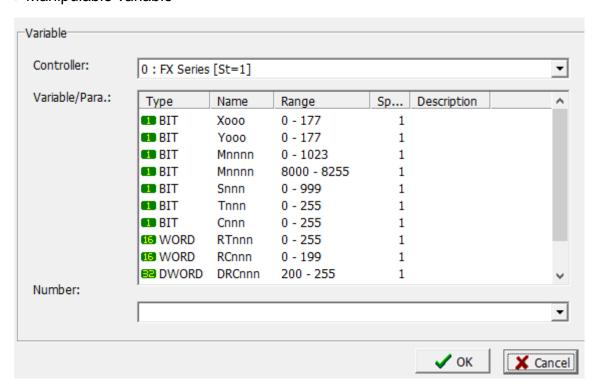
Parameter item	Recommended settings
Protocol	Mitsubishi Fx Series



Communication	RS232
Communication	9600
Synchronization	Even parity
Number of data	7 digits
Stop digits	1 digit



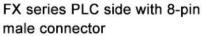
# ➤ Manipulable variable



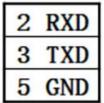


➤TK-FX Series Communication line connection diagram (using Mitsubishi programming line, namely SC-11/SC-09)

MT series touch side with 9 holes D-shaped female connector









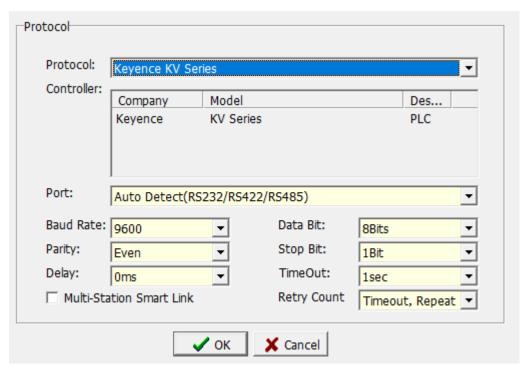
PLC programming port pin definition

PIN number	Signal	Description
1	RXD-	Accept negative
2	RXD+	Accept positive
3	GND	ground
4	TXD-	Send negative
5	+5₹	External power supply
6	CCS	Communication direction control line
7	TXD+	Send positive
8	NC	Empty foot

## 4. Keyence KV series

Parameter item	Recommended
Protocol	Keyence KV Series
Communication port type	RS232
Communication rate	9600
Synchronization check	Even parity
Number of data	8 digits
Stop digits	1 digit

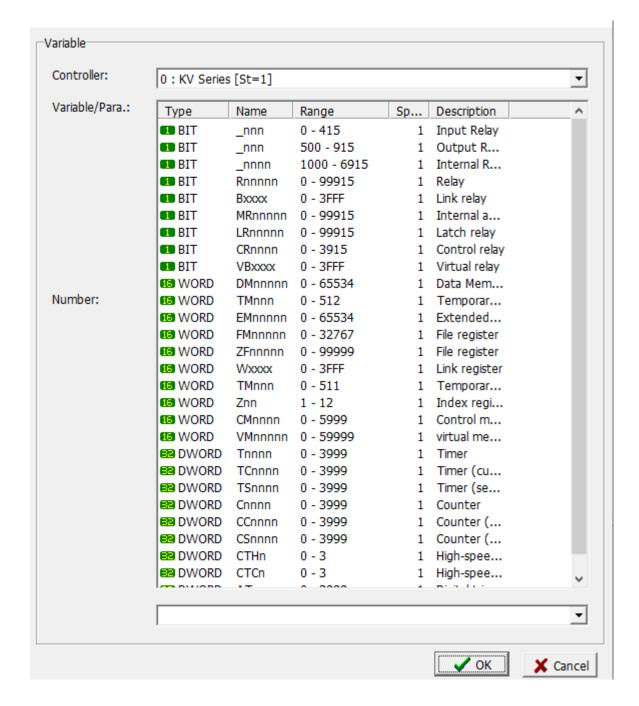




➤ Manipulable variable

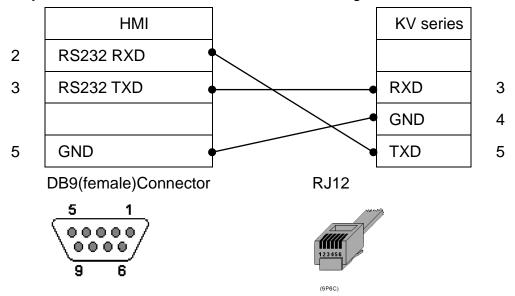
9







# >TK-Keyence KV Communication line connection diagram



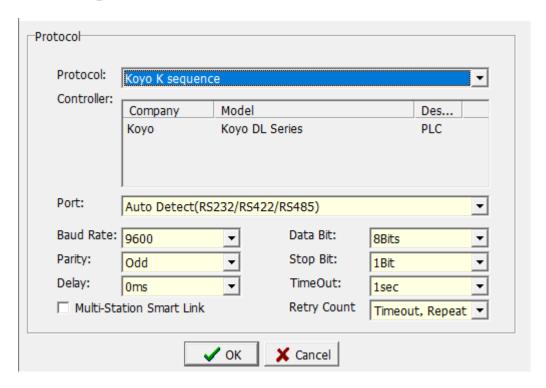
# 5.Koyo K sequence series

# ➤TK software settings

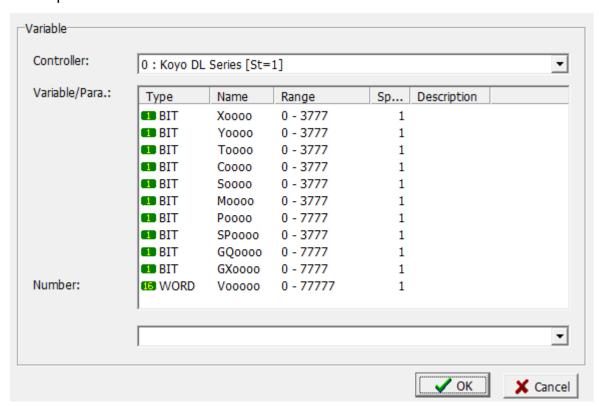
Parameter item	Recommended
Protocol	Koyo K sequence
Communication port	RS232
Communication rate	9600
Synchronization check	Odd parity
Number of data	8 digits
Stop digits	1 digit

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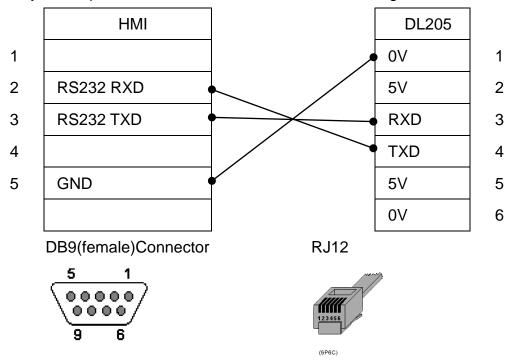


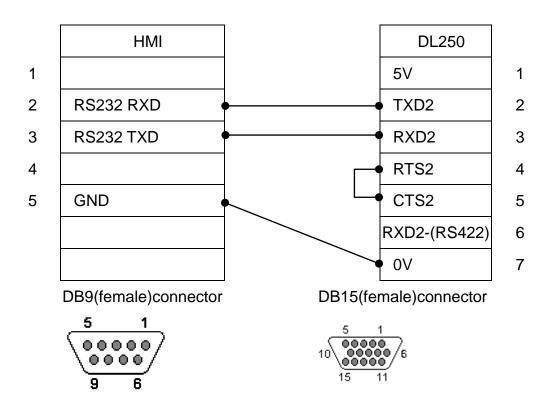
## ➤Manipulable variable





# >TK-Koyo K sequence Communication line connection diagram

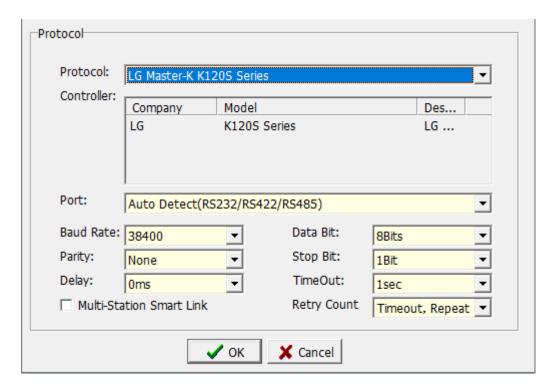






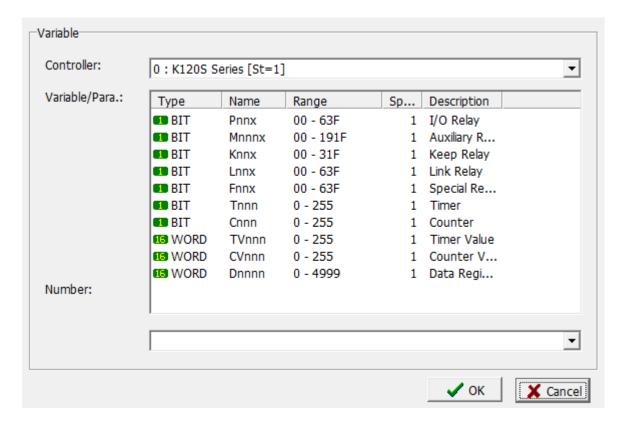
## 6.LG series

Parameter item	Recommended settings
Protocol	LG Master-K K120S Series
Communication	RS232
Communication	38400
Synchronization	No information
Number of data	8 digits
Stop digits	1 digit

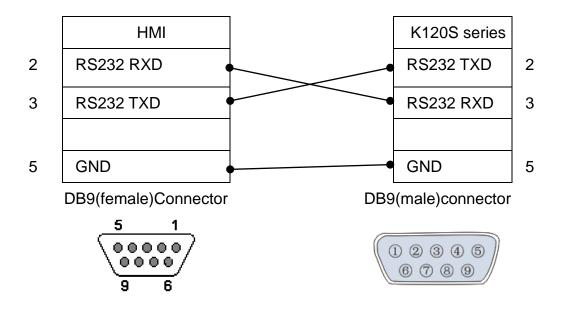


➤ Manipulable variable





#### ▶TK-LG Master-K120S Communication line connection diagram

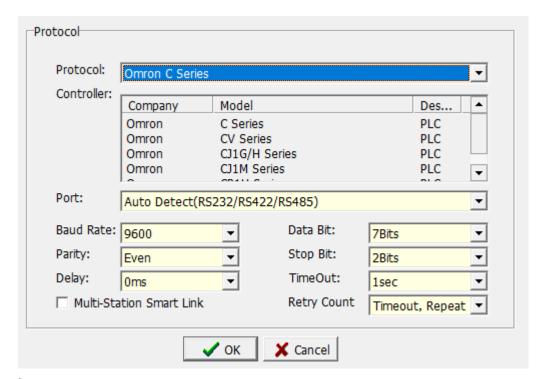


#### 7. OMRON C series

Parameter item	Recommended settings
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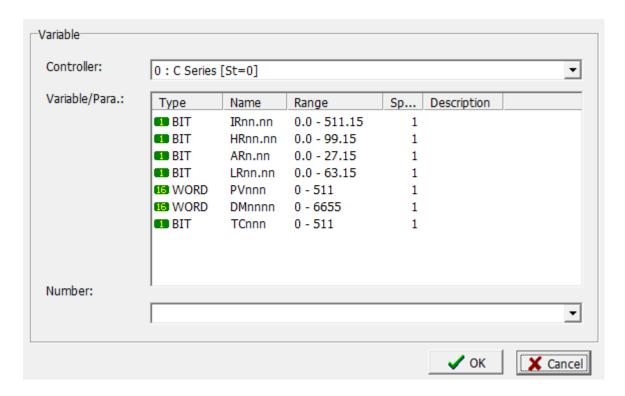


Protocol	Omron C Series
Communication port	RS232
Communication rate	9600
Synchronization check	Even parity
Number of data	7 digits
Stop digits	2 digits

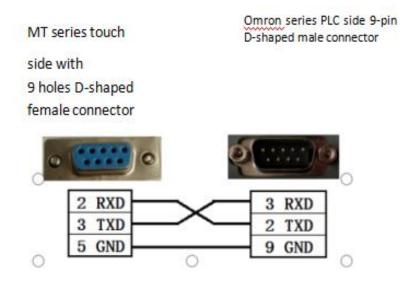


➤ Manipulable variable





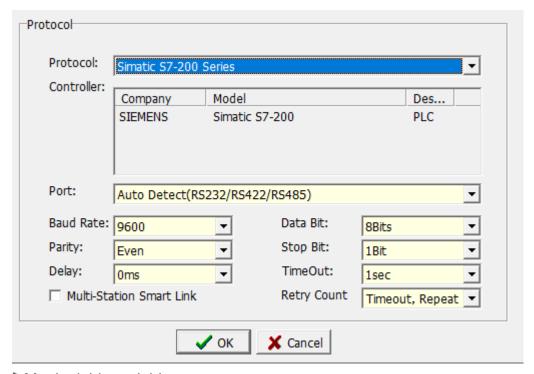
#### >TK-OMRON communication cable connection diagram



### 8. Siemens S7-200 series

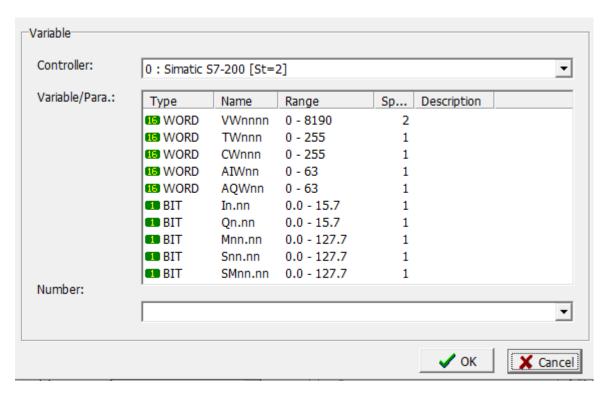


Parameter item	Recommended settings
Protocol	Simatic S7-200 Series
Communication	RS485
Communication	9600
Synchronization	Even parity
Number of data	8 digits
Stop digits	1 digit
Communication	1 second

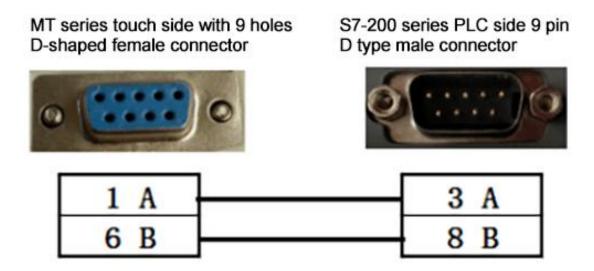


➤ Manipulable variable





▶TK-Siemens S7-200 communication line connection diagram

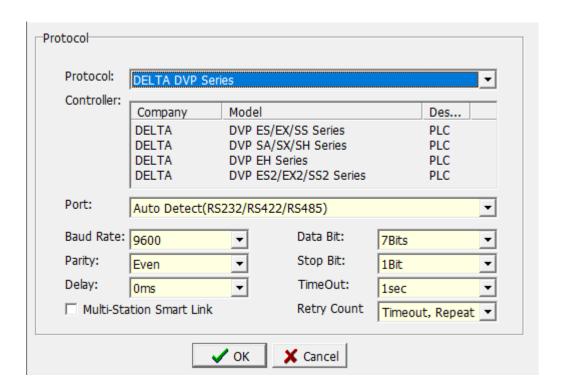


#### 9.Delta DVP series

Parameter item	Recommended settings
Protocol	DELTA DVP Series



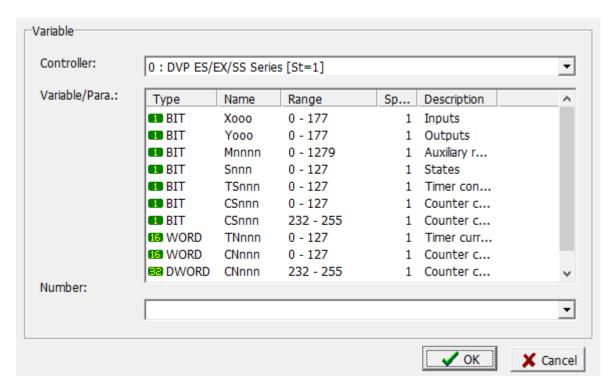
Communication port type	RS232
Communication rate	9600
Synchronization check	Even parity
Number of data	7 digits
Stop digits	1 digit
Communication timeout	1 second





## ➤Manipulable

#### variable



## ➤K-Delta DVP communication cable connection diagram

