

Drawings

Model UT35A/MDL
Controller
(Mount on DIN Rail)

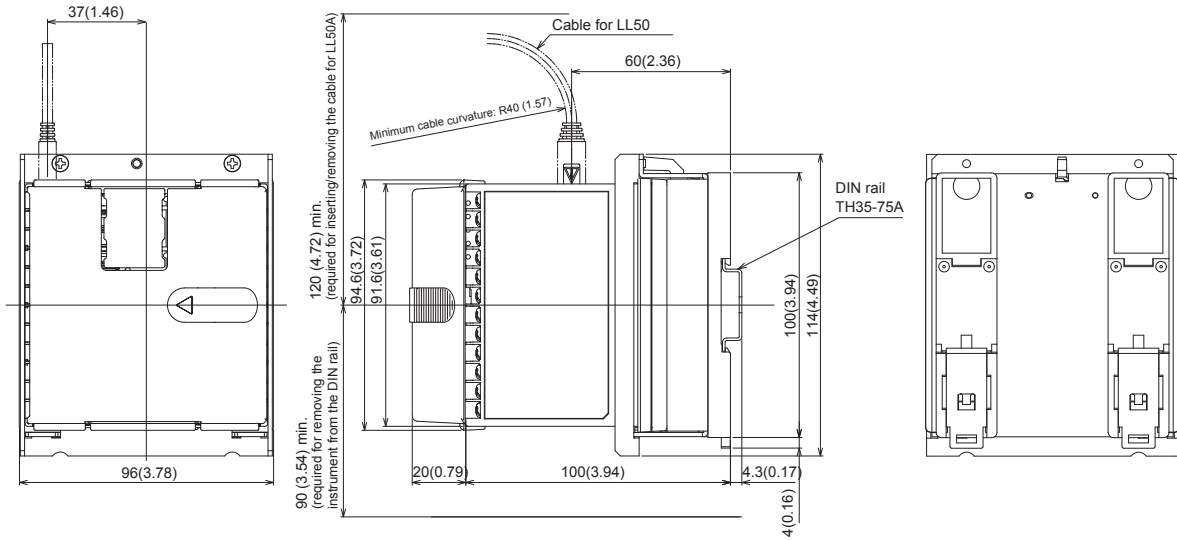
UTAdvanced

Functional
Enhancement

SD 05P01D41-06EN

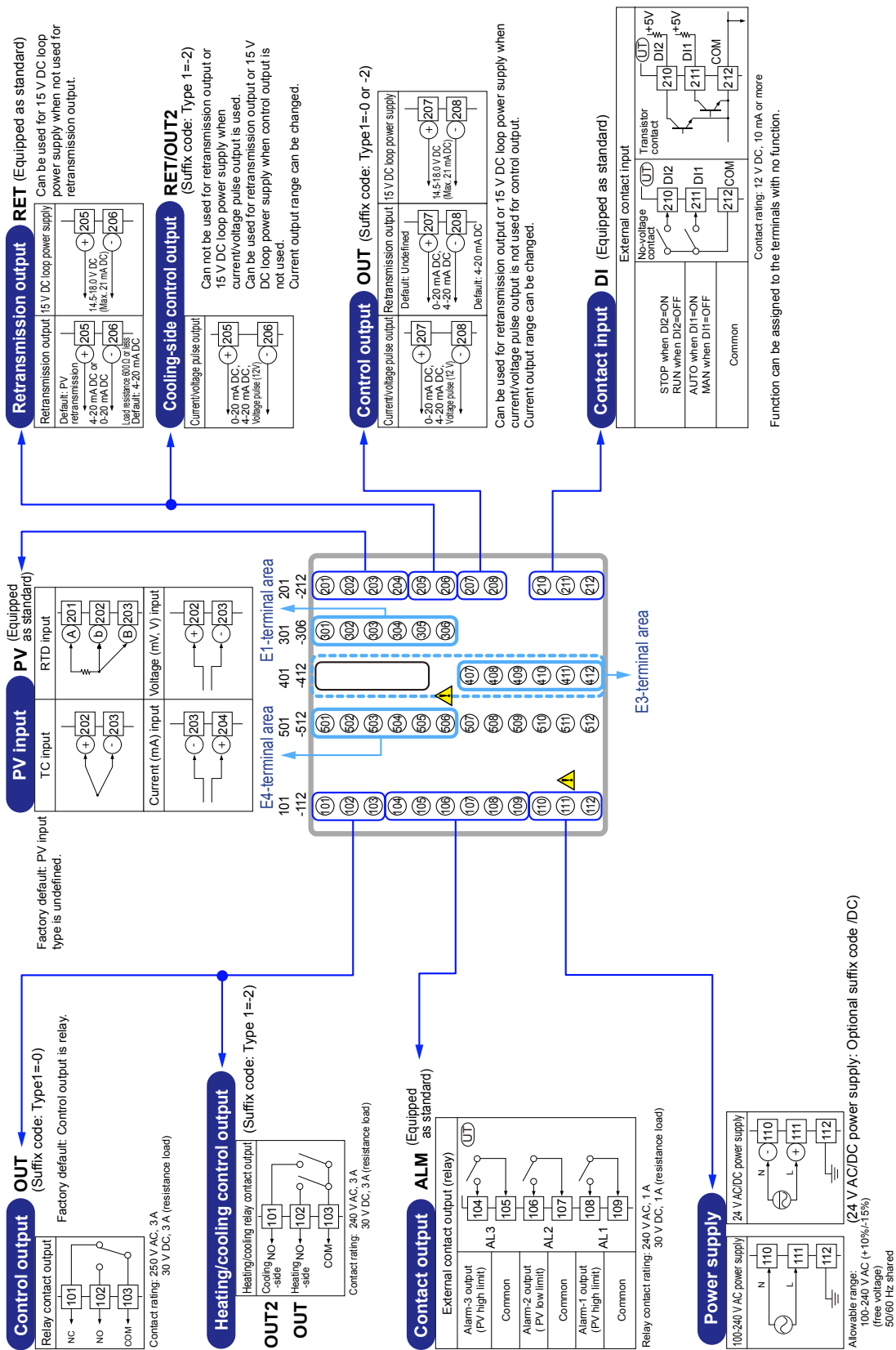
External Dimensions

Unit: mm
(approx. inch)

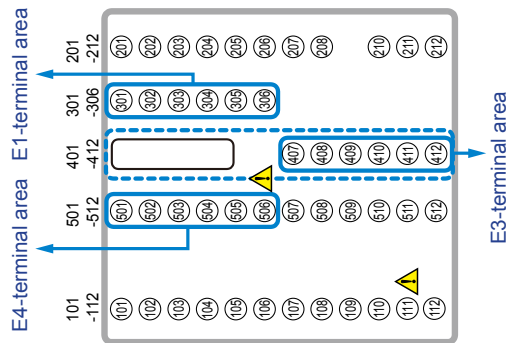


Note:
Trigonometry
General tolerance = \pm (JIS B 0401-1998 tolerance class IT18)/2

Terminal Wiring Diagrams

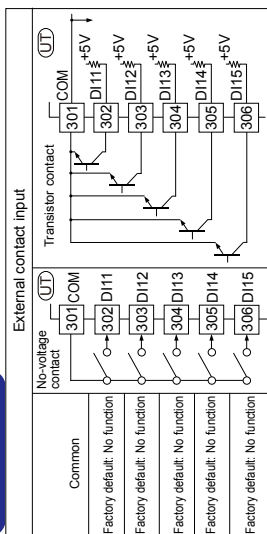


Terminal Wiring Diagrams (E1-Terminal Area and E4-Terminal Area)



301-306 E1-Terminal Area

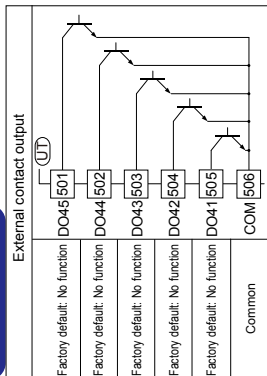
Contact input DI (Suffix code: Type 2=2)



Contact rating: 12 V DC, 10 mA or more
Function can be assigned to the terminals with no function.

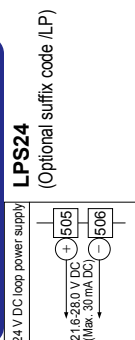
501-506 E4-Terminal Area

Contact output DO (Suffix code: Type 2=2)



Transistor contact rating: 24 V DC, 50 mA
Function can be assigned to the terminals with no function.

24 V DC loop power supply

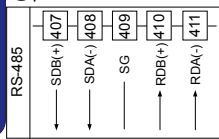


Terminal Wiring Diagrams (E3-Terminal Area)

401-412 E3-Terminal Area

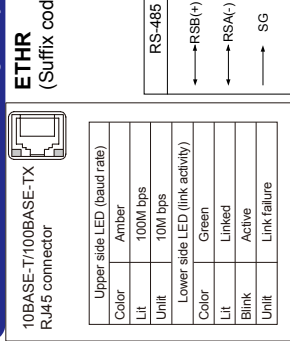
RS-485 communication (RS485)

(Suffix code: Type 3=1)



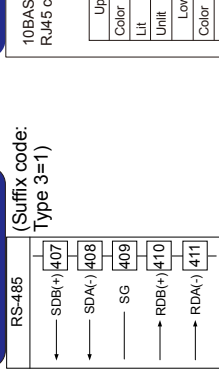
Ethernet communication (with gateway function)

(Suffix code: Type 3=2)



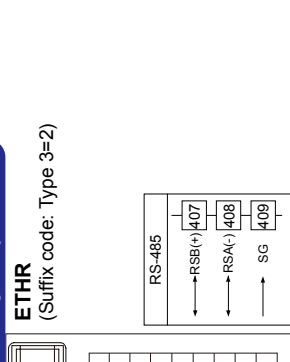
PROFIBUS-DP communication (with Modbus master)

(Suffix code: Type 3=4)



CC-LINK communication (with Modbus master)

(Suffix code: Type 3=3)



DeviceNet communication (with Modbus master)

(Suffix code: Type 3=5)



PROFIBUS-DP communication (with Modbus master)

(Suffix code: Type 3=4)

Pin	Signal name	Description	Unit
1	V+	+5V bus power	Normal
2	RxD/TxD-P	Data signal (positive data receive/transmit)	No power, or Communication failure
3	RxD/TxD-N	Data signal (negative data receive/transmit)	Normal
4	DGND	Signal ground	Normal
5	SHIELD	Shield ground	Normal

CC-LINK communication (with Modbus master)

(Suffix code: Type 3=3)

Pin	Signal name	Description	Unit
1	FG	Flame ground	Normal
2	SLD	Shield	Normal
3	DG	RX/TX signal ground	Communication failure
4	DB	RX/TX - signal	Communication failure
5	DA	RX/TX + signal	Communication failure

DeviceNet communication (with Modbus master)

(Suffix code: Type 3=5)

Pin	Signal name	Description	Unit
1	V+	DeviceNet power supply 24V	Normal
2	CAN_H	RX/TX + signal	Normal communicating successfully (green, lit)
3	DRAIN	Shield/Drain wire	Not connected (green, flashing)
4	CAN_L	RX/TX - signal	Critical link failure (red, lit)
5	V-	DeviceNet power supply common	Connection timeout (red, flashing)

