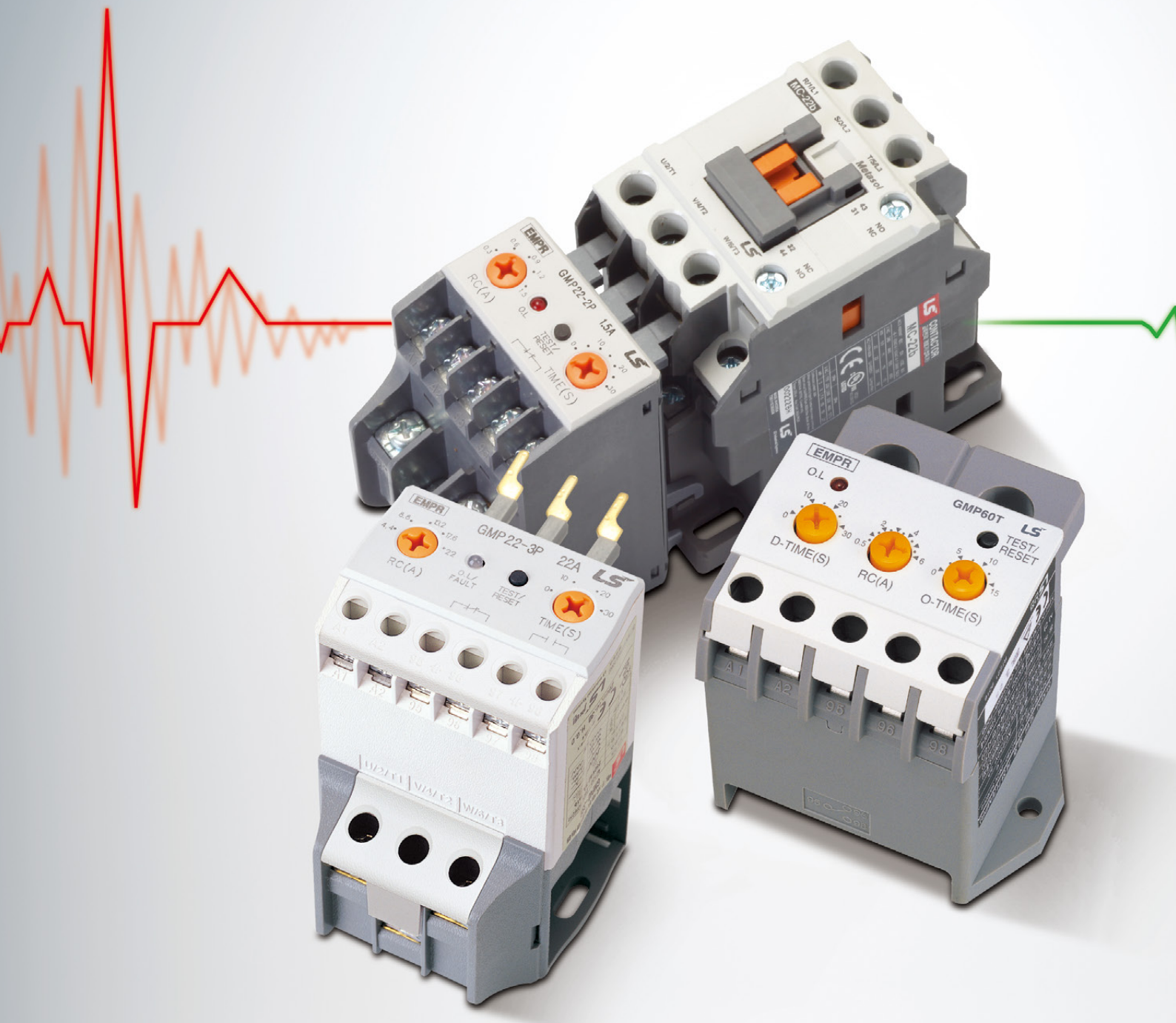
The new standard of next-generation motor protection relay!

With smart protection and safe control, we provide the cutting-edge digital total solution.



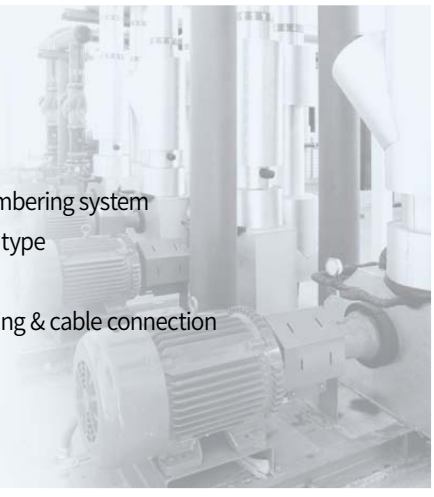
GMP Series

Electronic Motor Protection Relays

- Definite/inverse time protection of a variety of rating
- Ground fault protection model
- LED based display of failure cause
- MC direct coupling, penetration, and terminal types sharing

Contents

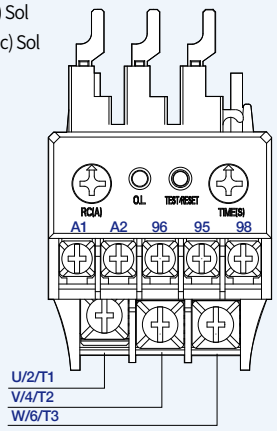
10 A list of standard models
11 Product characteristics
12 Motor selection & model numbering system
13 Rated specifications & order type
22 Operation & setting method
27 Terminal configuration / Wiring & cable connection
30 Dimensions



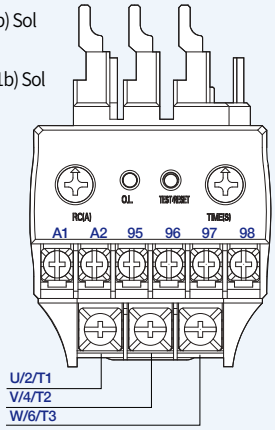
Terminal configuration / Wiring & cable connection

Terminal configuration

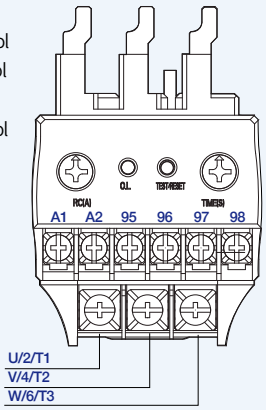
GMP22-2P (1c) Sol
GMP22-2PD (1c) Sol



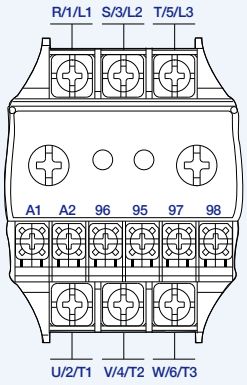
GMP22-2P (1a1b) Sol
GMP22-3P Sol
GMP22-2PA (1a1b) Sol
GMP22-3PR Sol



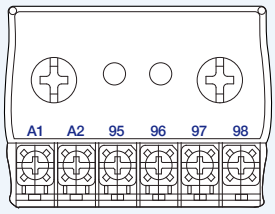
GMP40-2P Sol
GMP40-2PD Sol
GMP40-2PA Sol
GMP40-3P Sol
GMP40-3PR Sol



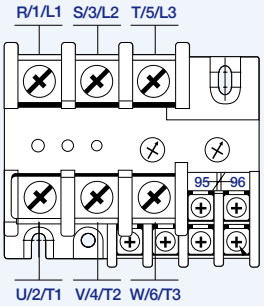
GMP22-2S
GMP22-3S
GMP22-3SR
GMP40-2S
GMP40-3S
GMP40-3SR



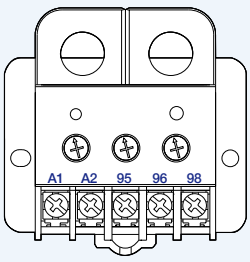
GMP22-2T
GMP22-3T
GMP22-3TR
GMP40-2T
GMP40-3T
GMP40-3TR



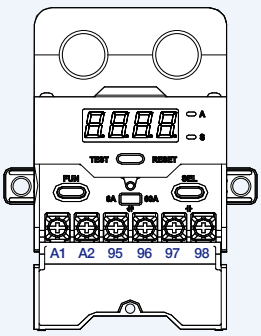
GMP80-2S
GMP80-3S
GMP80-3SR



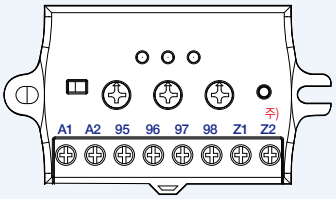
GMP60T
GMP60TE
GMP60TA



GMP60-TD
GMP60-TDa



GMP60-3TZ, TZR
GMP60-3TN, TNR
GMP60-3T, TR

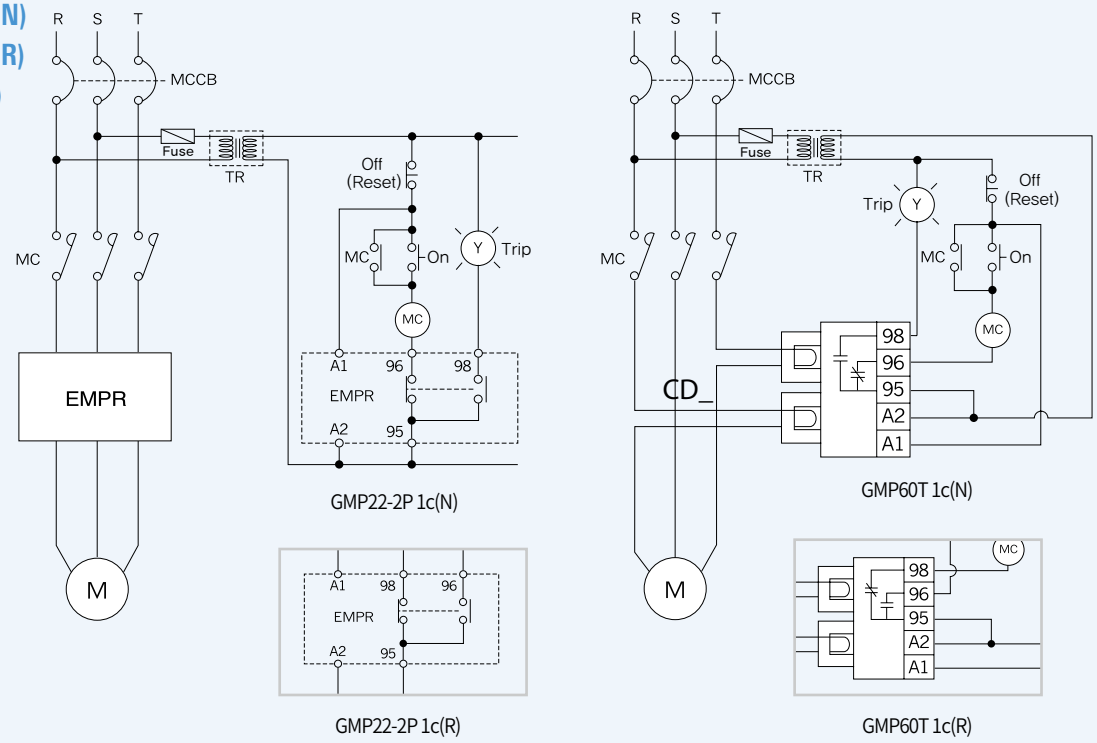


Engrave	Description
A1, A2	Input terminal for operation power
95, 96, 98	Output terminals at power-on
95-96	When the power is ON (NC contact output)
97-98	When the power is ON (NC contact output)
Z1, Z2	ZCT output connection
U/2/T1, V/4/T2, W/6/T3	Power side connection
R/1/L1, S/3/L2, T/5/L3	Load side connection

Note) 1. GMP60-3TN/3TNR and GMP60-3T/3TR models are not wired to Z1 and Z2 terminals.
2. In case of 1c(N), only if control power (A1, A2) is On, output contact occurs (if power Off or Trip, 95-96 : Open, 95-98 : Close)
3. In case of 1c(R), output contact occurs regardless of control power (A1, A2). (Contact chattering can occur in a very vibrating place.)

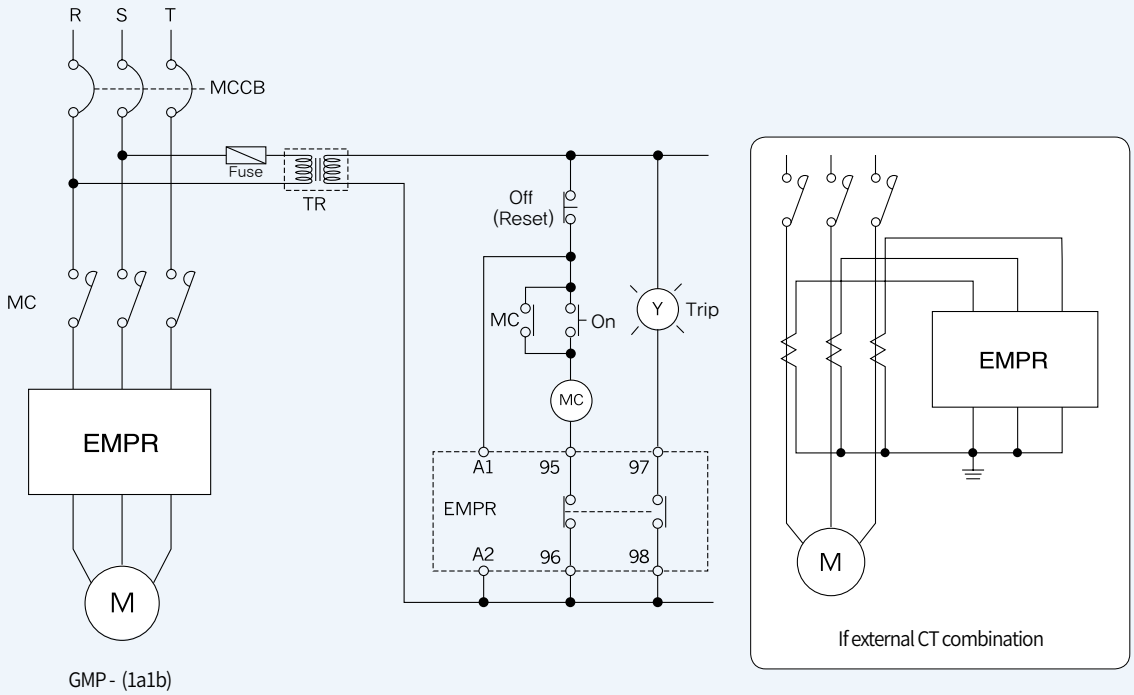
Terminal configuration / Wiring & cable connection

GMP22-2P 1c(N)
GMP22-2P 1c(R)
GMP60T 1c(N)
GMP60T 1c(R)



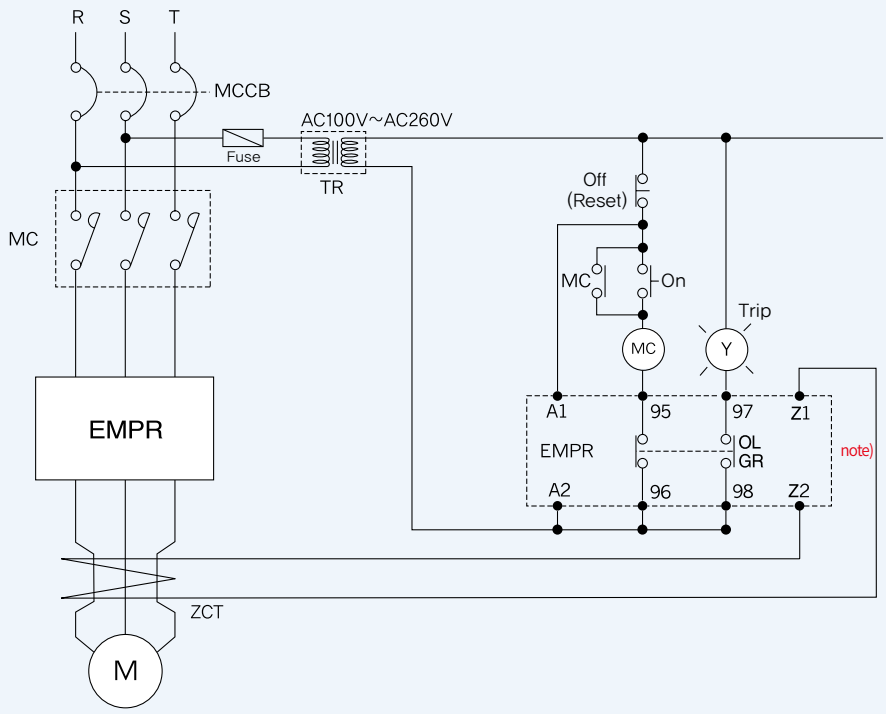
Note) 1. In case of 1c(N), only if control power (A1, A2) is On, output contact occurs (if power Off or Trip, 95-96 : Open, 95-98 : Close)
2. In case of 1c(R), output contact occurs regardless of control power (A1, A2). (Contact chattering can occur in a very vibrating place.)

GMP-(1a1b)

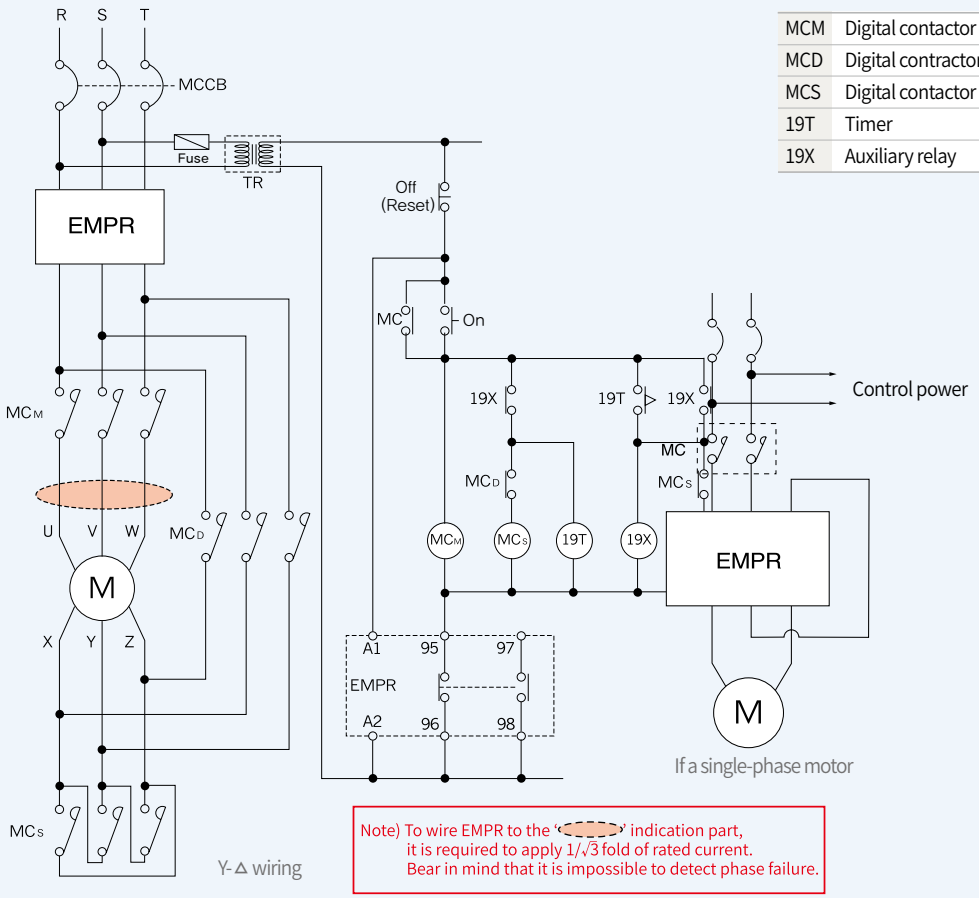


Note) 1. To use a single-phase motor, connect it with R & T phases of EMPR. 3CT Type is not allowed in a single-phase motor.
2. Output contact occurs only if control power (A1, A2) is On. (1a1b)

GMP60-3TZ, TZR
GMP60-3TN, TNR
GMP60-3T, 3TR



Note) 1. In case of GMP60-3TZ/3TZR model, wire ZCT to Z1 and Z2 terminals.
2. In case of GMP60-3TN/3TNR and GMP60-3T/3TR models, do not wire ZCT to Z1 and Z2 terminals. (no need of ZCT)
3. Output contact occurs only if control power (A1, A2) is On. (1a1b)



MCM	Digital contactor for power
MCD	Digital contractor for operating
MCS	Digital contactor for starting
19T	Timer
19X	Auxiliary relay

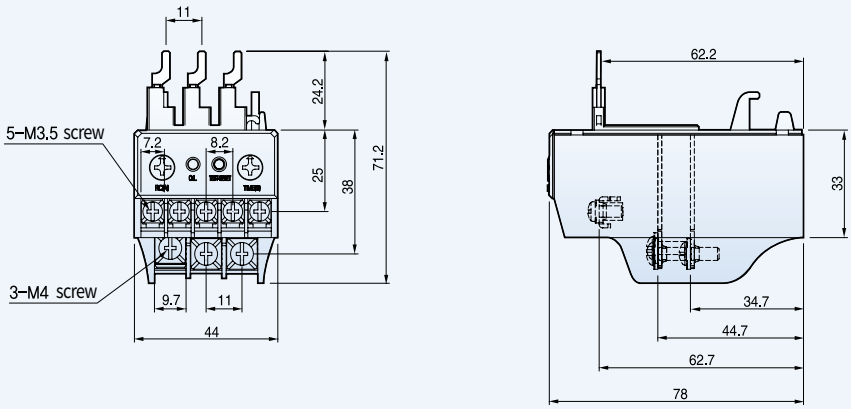
Note) 1. A reverse phase protection model (-R Type) is not applicable to a single-phase motor.
2. GMP60-3TN is unable to provide ground fault protection for a single-phase motor. (GMP60-3TZ applied)
3. Output contact occurs only if control power (A1, A2) is On. (1a1b)

Dimensions

Unit : mm

GMP22-2P (1c) Sol
GMP22-2PD (1c) Sol

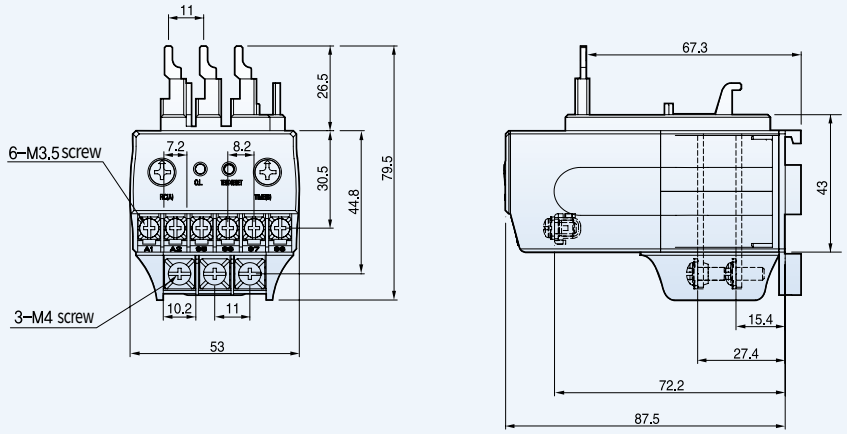
0.15kg



Unit : mm

GMP22-2P (1a1b) Sol
GMP22-3P Sol
GMP22-2PA (1a1b) Sol
GMP22-3PR Sol

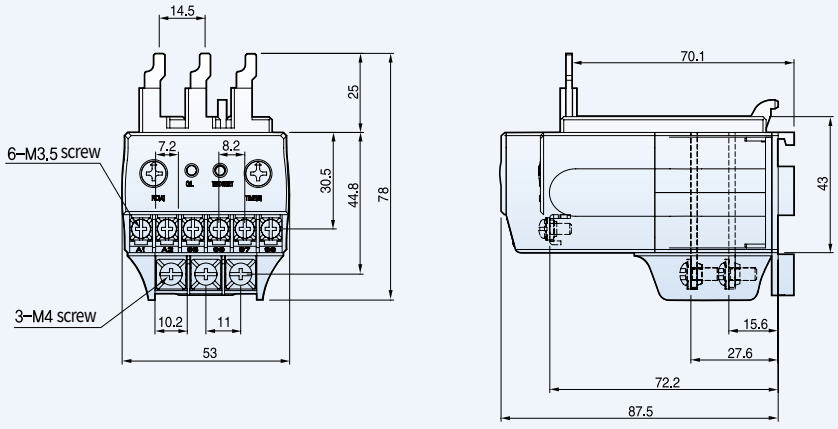
0.18kg



Unit : mm

GMP40-2P Sol
GMP40-2PD Sol
GMP40-2PA Sol
GMP40-3P Sol
GMP40-3PR Sol

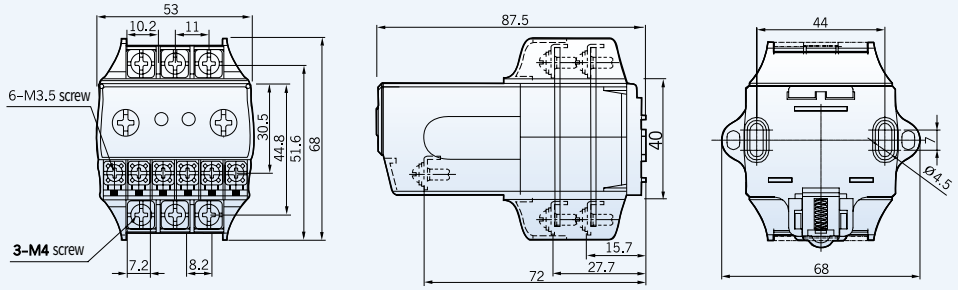
0.20kg/0.22kg



Unit : mm

GMP22-2S
GMP22-3S
GMP22-3SR
GMP40-2S
GMP40-3S
GMP40-3SR

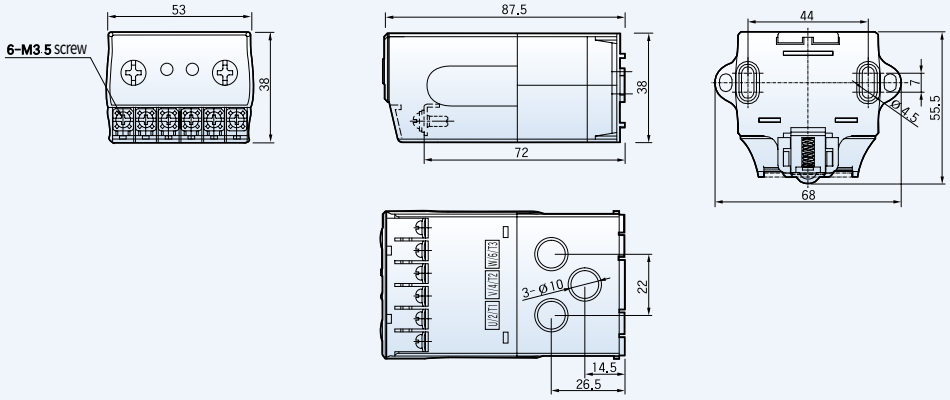
0.19kg/0.21kg



Unit : mm

GMP22-2T
GMP22-3T
GMP22-3TR
GMP40-2T
GMP40-3T
GMP40-3TR

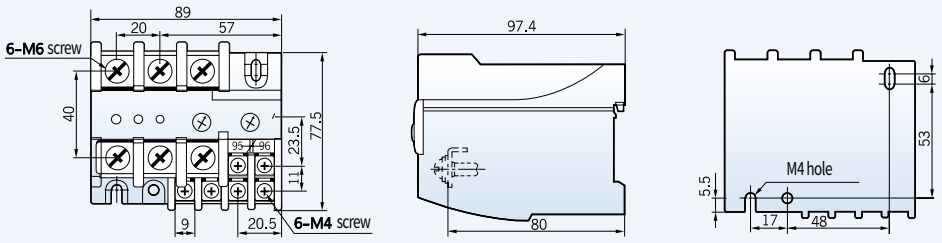
0.14kg/0.16kg



Unit : mm

GMP80-2S
GMP80-3S
GMP80-3SR

0.42kg/0.46kg

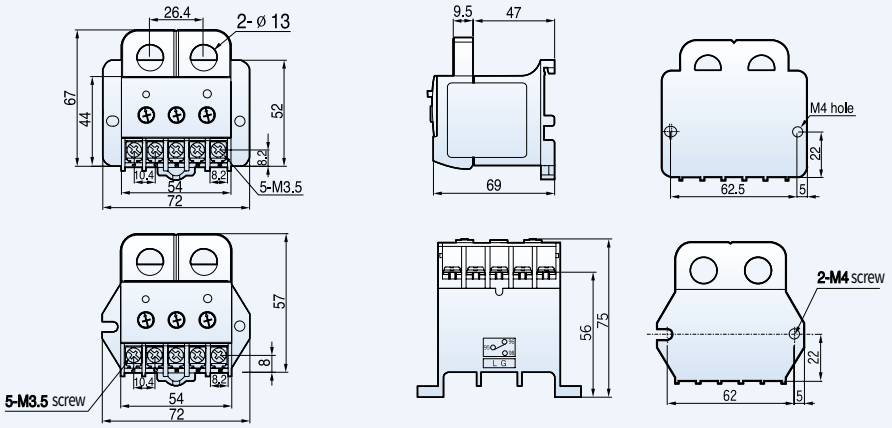


Dimensions

Unit : mm

GMP60T
GMP60TE
GMP60TA

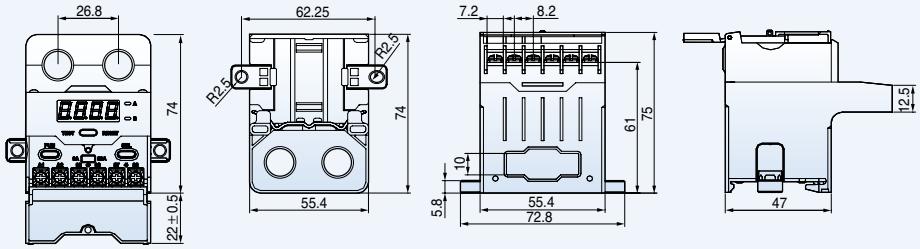
0.14kg



Unit : mm

GMP60-TD
GMP60-TDa

0.25kg

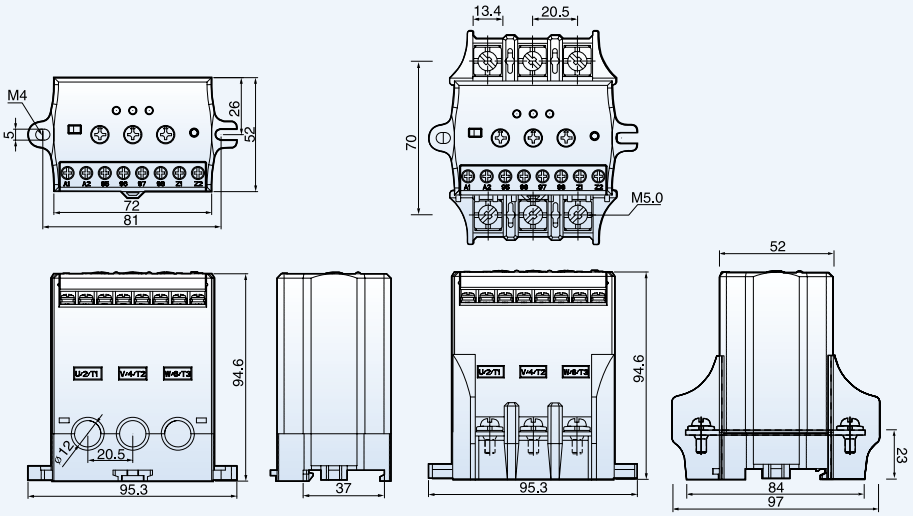


Unit : mm

GMP60-3TZ, TZR
GMP60-3TN, TNR
GMP60-3T, TR

Penetration type (Tunnel Type)

Terminal connection type (Screw Type) – to attach a terminal block



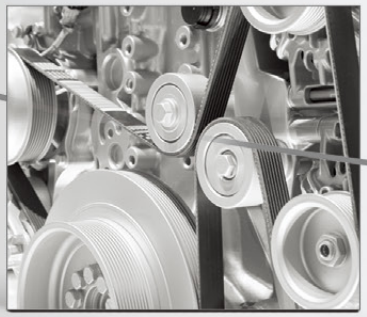
Note) If terminal connection type (Screw Type) is used, purchase a terminal block separately.



Revolutionary development of motor protection relays

Complete motor protection is realized with real time data processing and high precision.











DMPi Series

Intelligent Digital Motor Protection Relays

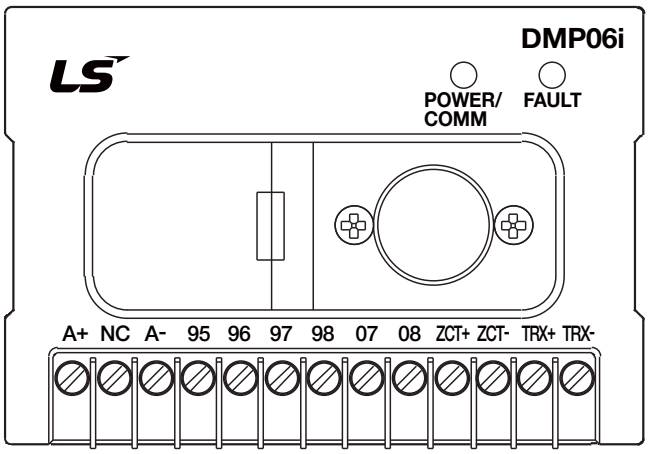
- Definite/Inverse time option and various protection methods
- Storage of failure causes
- Separated display part using cables
- MODBUS communication, 4~20mA DC output
- Operating time displayed for each model

Contents

36 A list of standard models
37 Product characteristics
41 Rated specifications & model numbering system
42 Operation & setting method
51 Terminal configuration / Wiring & cable connection
57 Dimensions



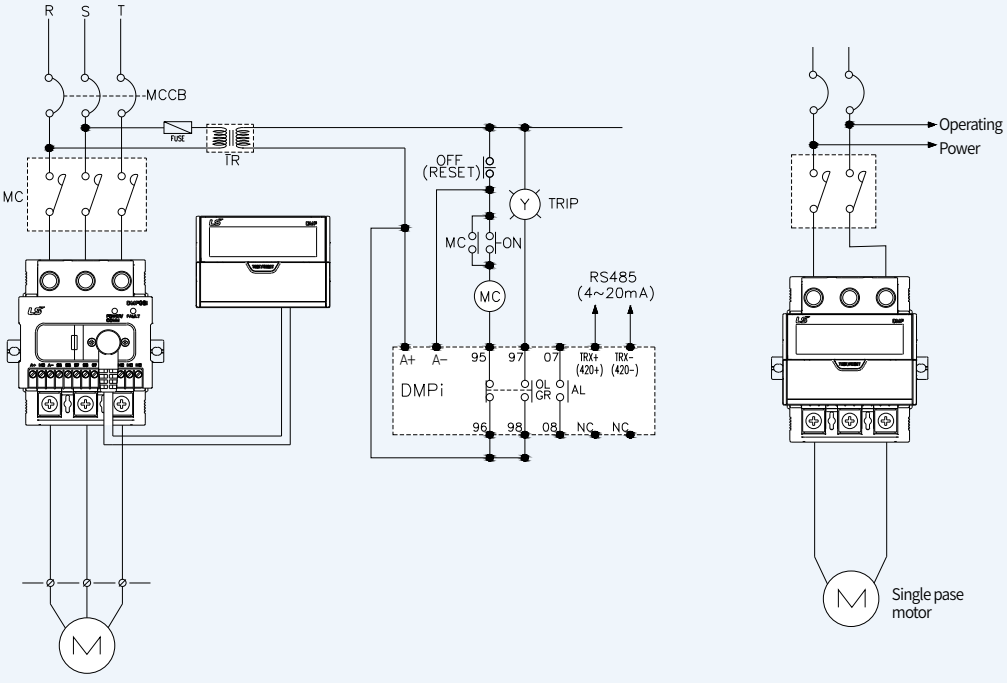
Terminal configuration



Engrave	Description
A+, A-	Input terminal for operation power
95-96	When the power is ON (NC contact output)
97-98	When the power is ON (NO contact output)
07-08	Alarm contact output terminal
ZCT+, ZCT-	ZCT output connection
TRX+, TRX- 420+, 420-	RS485 connect or 4~20mA output

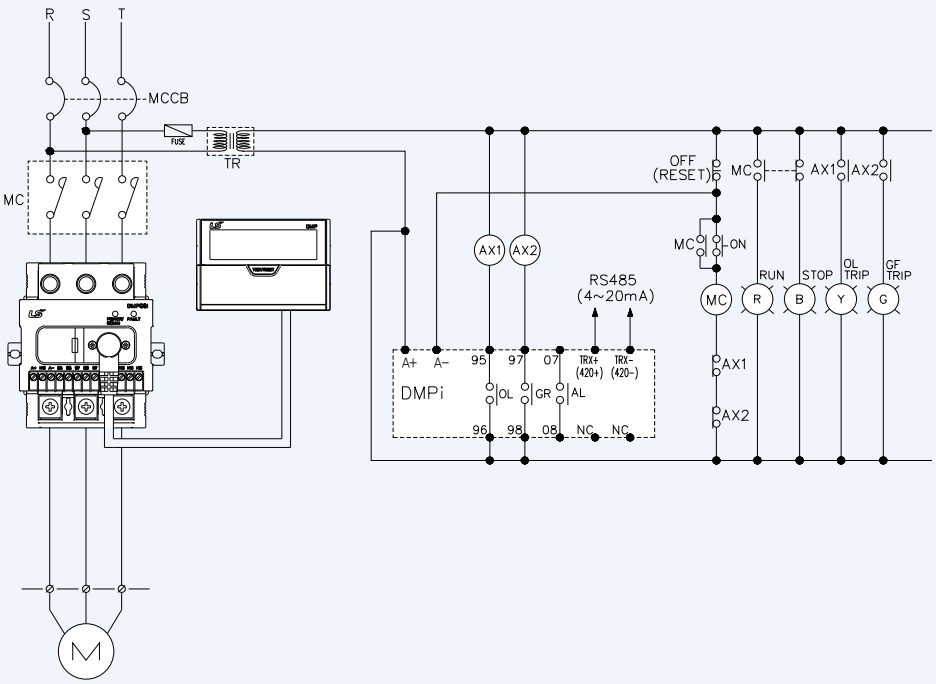
DMPi-B built-in ground fault protection type (1a1b)

DMPi-SB/TB



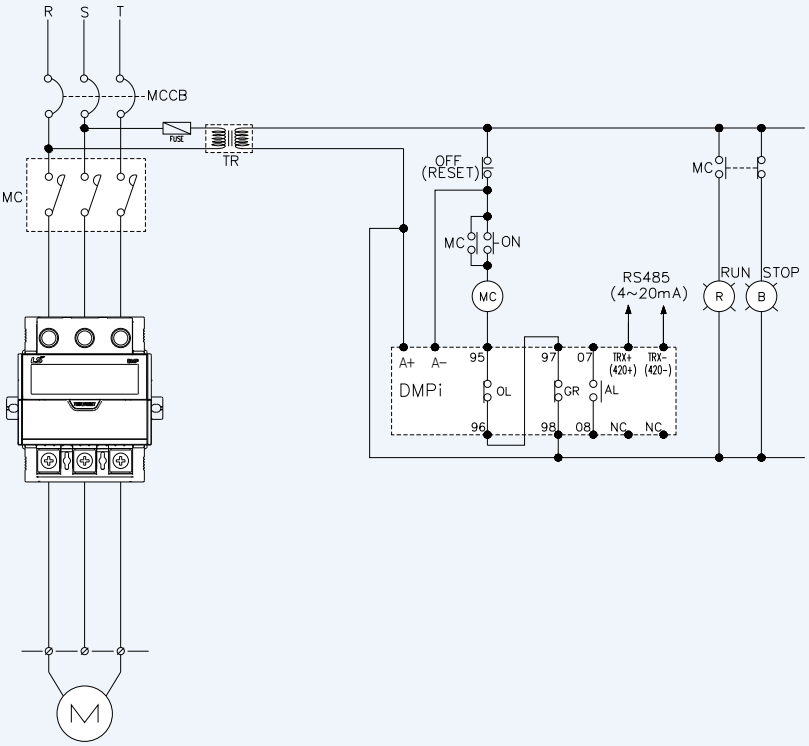
DMPi-B built-in ground fault protection type (2a)

DMPi-SB / TB



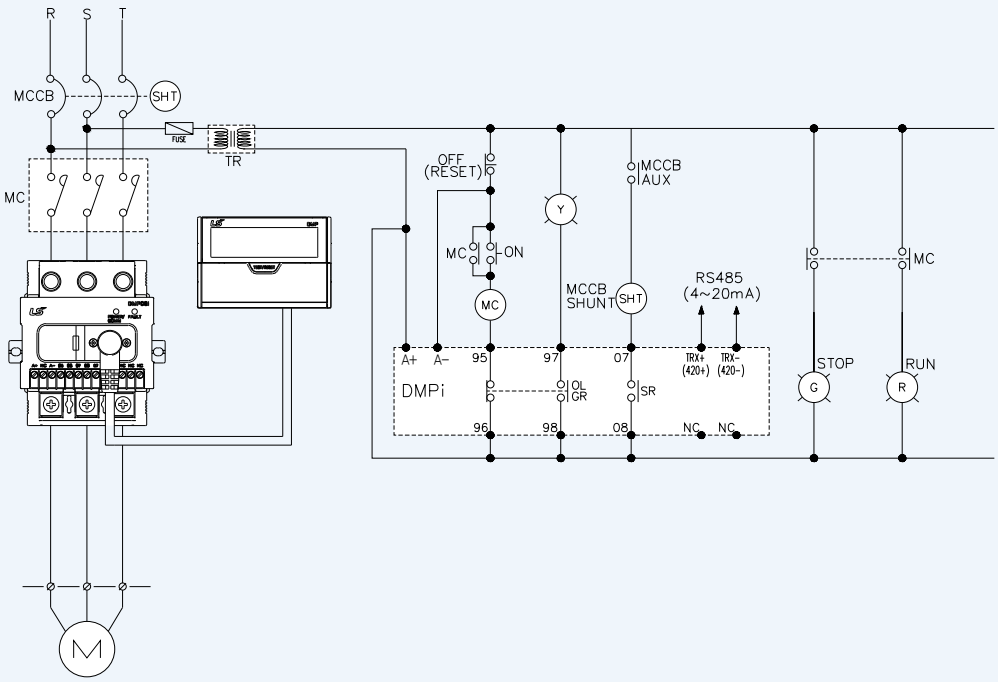
DMPi-B built-in ground fault protection type (2b)

DMPi-SB / TB



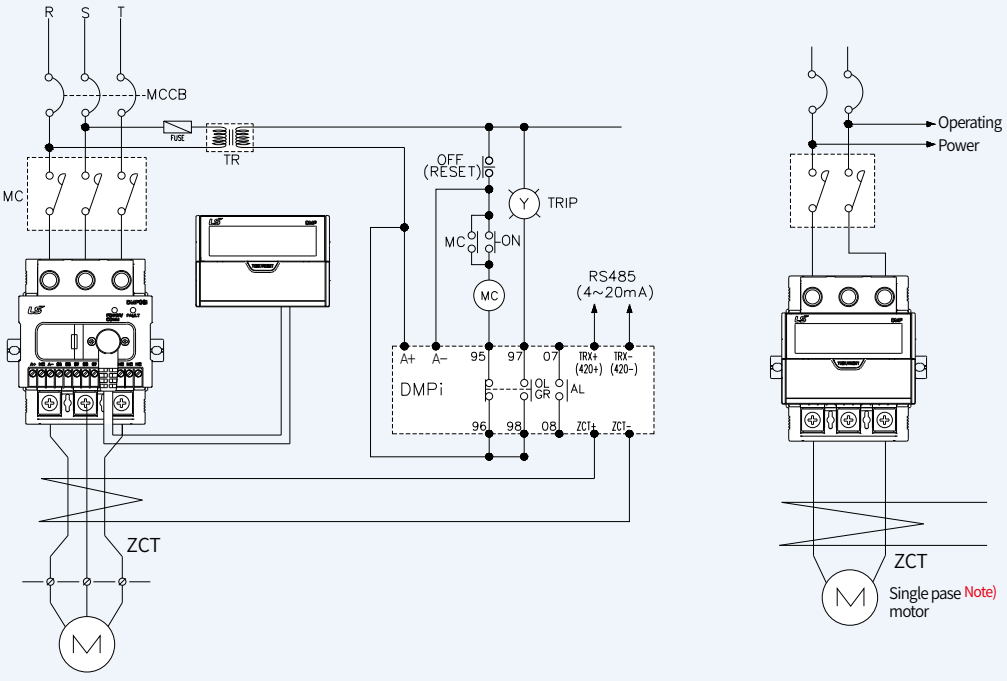
DMPi-SBI / TBI, SI / TI built-in instant short-circuit protection type (1a1b)

DMPi-SBI / TBI
DMPi-SI / TI



DMPi-SZ / TZ external ground fault protection type (1a1b)

DMPi-SZ / TZ

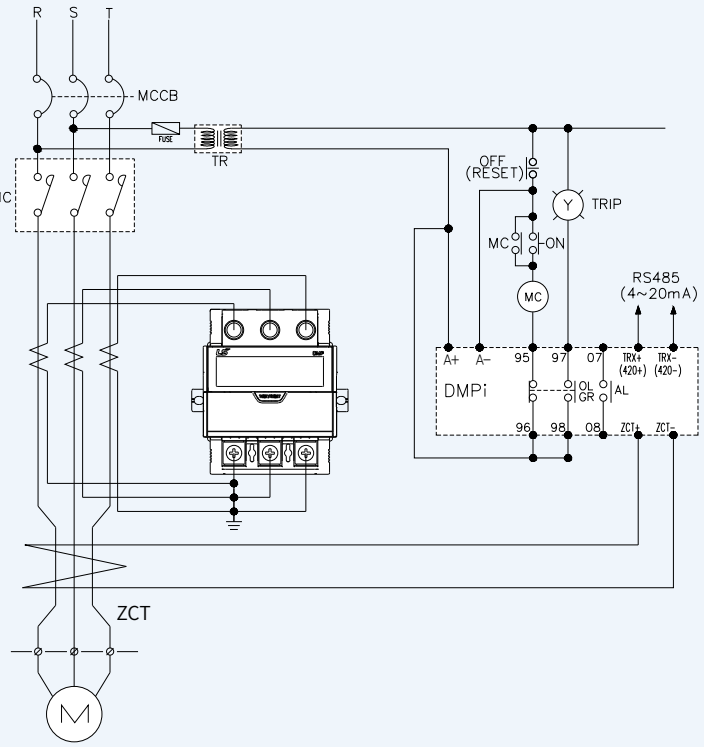


Note) 1. R-phase must be penetrated when connecting a single-phase motor. (Although there are S, T-phase CT in the product, values are measured based on R-phase.)

Terminal configuration / Wiring & cable connection

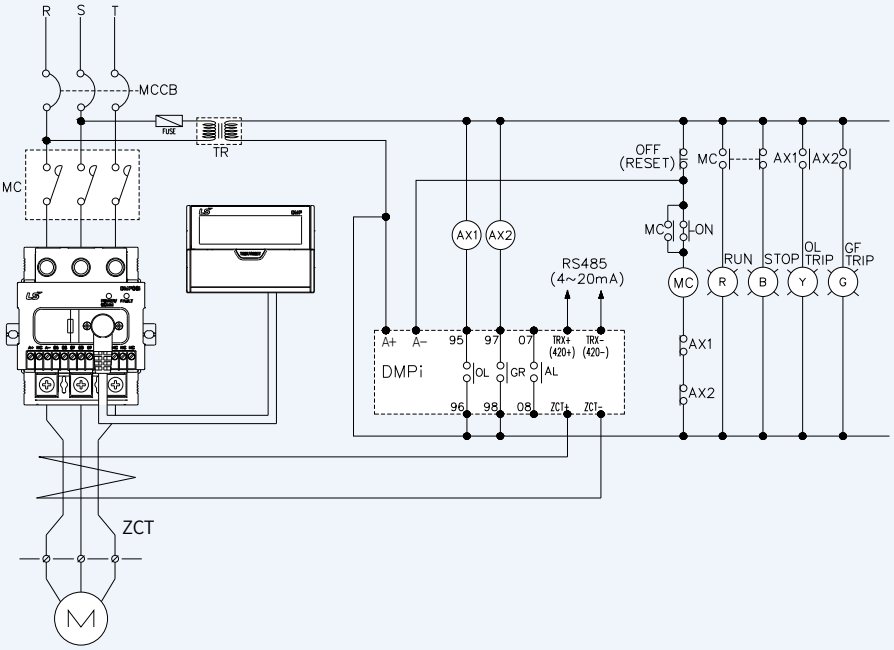
DMPi-SZ / TZ external ground fault protection type (1a1b large-capacity motor applied with external CT)

DMPi-SZ / TZ



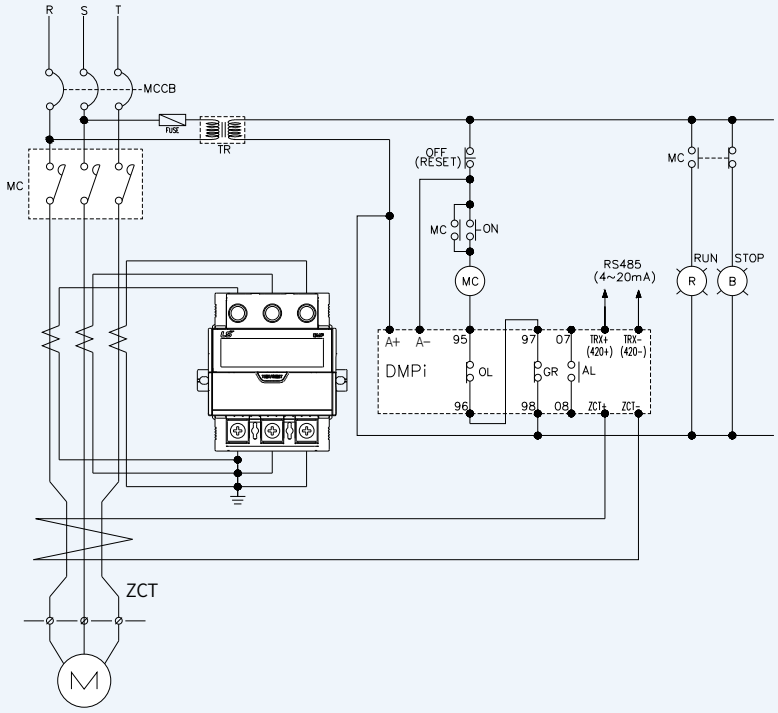
DMPi-SZ / TZ external ground fault protection type (2a)

DMPi-SZ / TZ



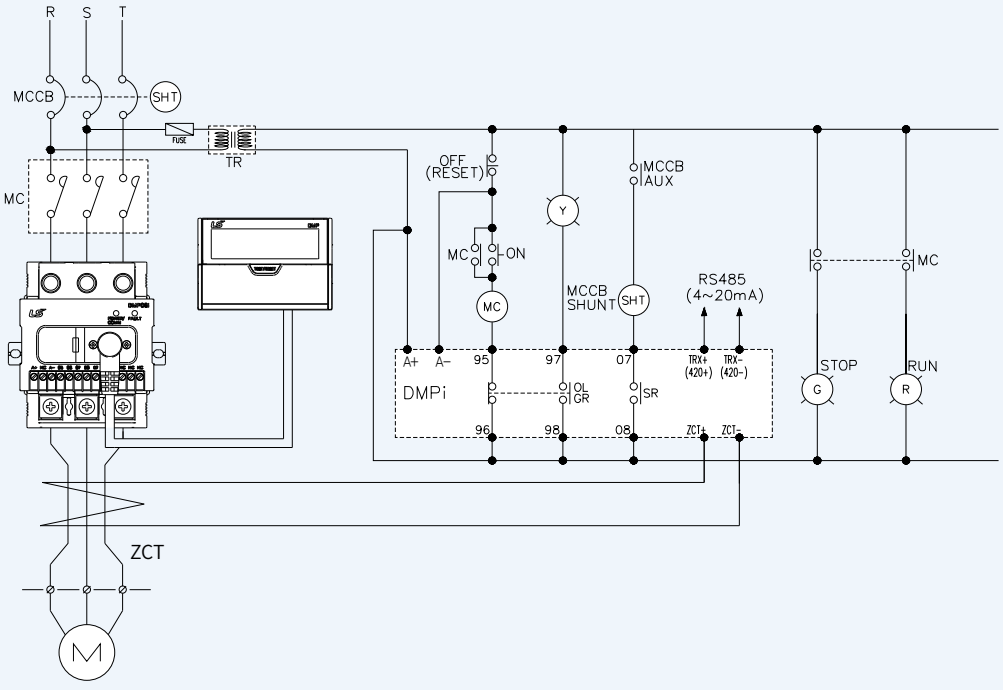
DMPi-SZ / TZ external ground fault protection type (2b)

DMPi-SZ / TZ



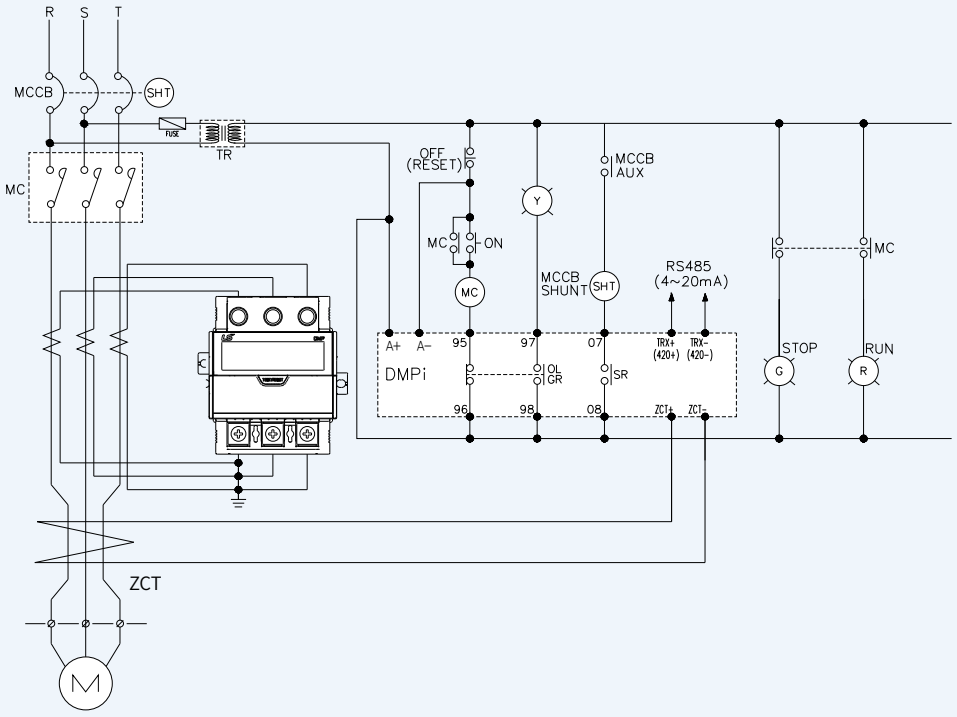
DMPi-SZI, TZI instant short-circuit protection and external ground fault protection type (1a1b)

DMPi-SZ / TZI



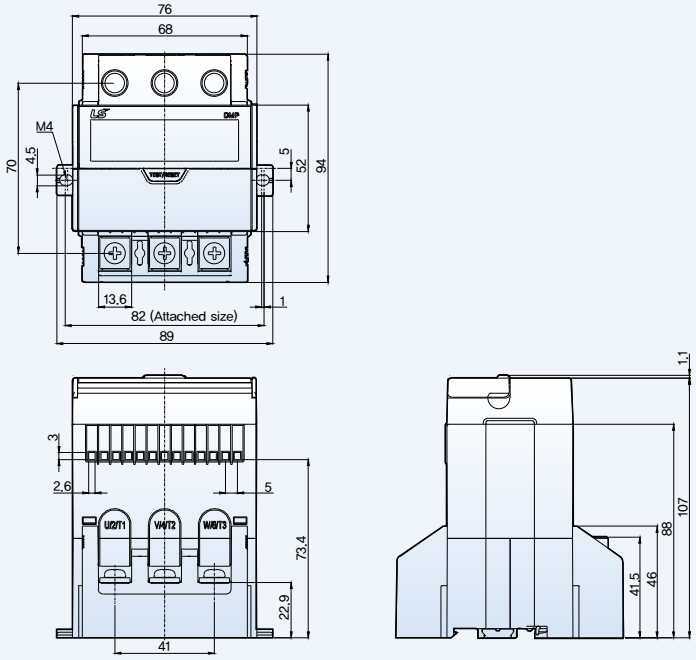
DMPi-SZI, TZI instant short-circuit protection and external ground fault protection type
(1a1b large-capacity motor applied with external CT)

DMPi-SZ / TZI

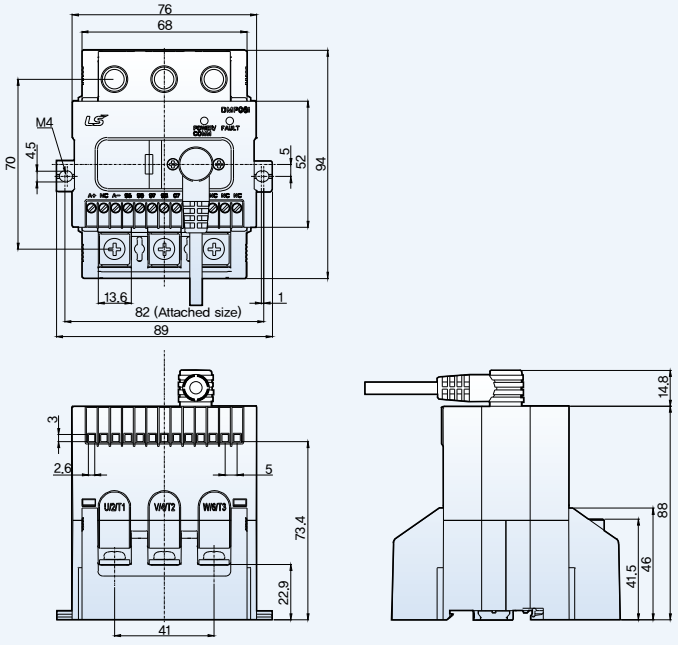


Unit : mm

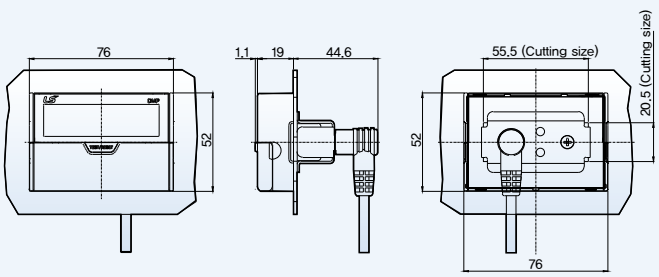
Integrated terminal type



Separated terminal type



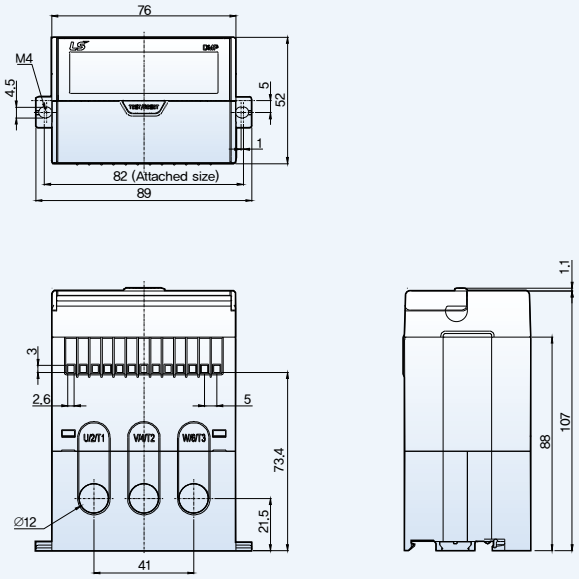
Panel insertion



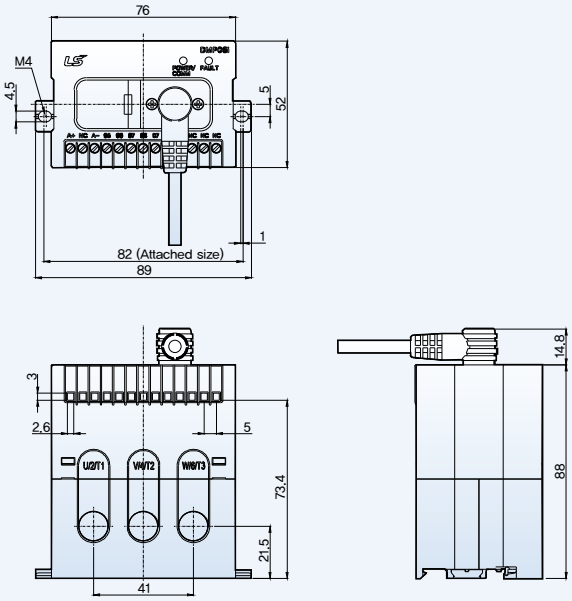
Dimensions

Unit : mm

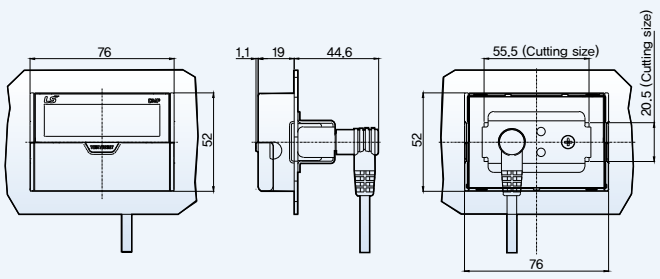
Integrated penetration type



Separated penetration type



Panel insertion





Perfect Selection of Motor Protection & Monitoring Device!

With the compact system structure and advanced protection functions, the device provides new standards of next-generation motor protection relay.



IMP Series

Intelligent Motor Protection Relays

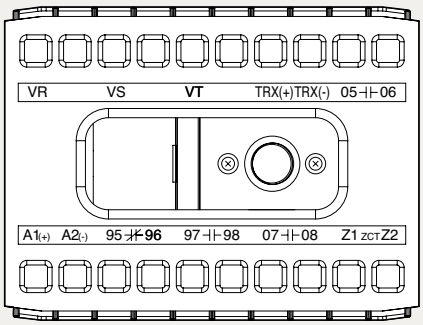
- Ground fault protection for both zero current/residual current
- Support rated current 0.12~100A without external current transformer
- Definite/inverse time selection and diverse protection factors
- Basic application of ground fault/instance protection
- Separation of the display part with the use of Cable
- MODBUS communication and 4~20mA DC output

Contents

62 Product characteristics
64 Rated specifications & model numbering system
65 Operation & setting method
69 Terminal configuration / Wiring & cable connection
70 Dimensions

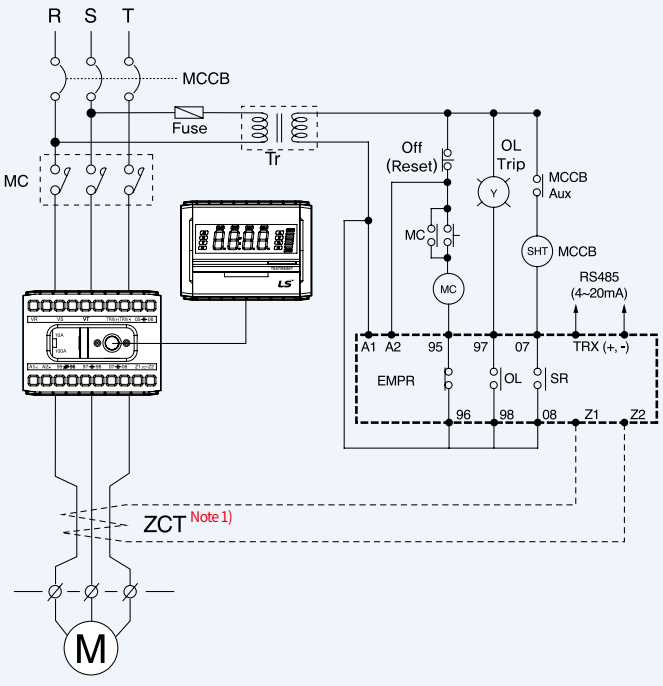
Terminal configuration / Wiring & cable connection

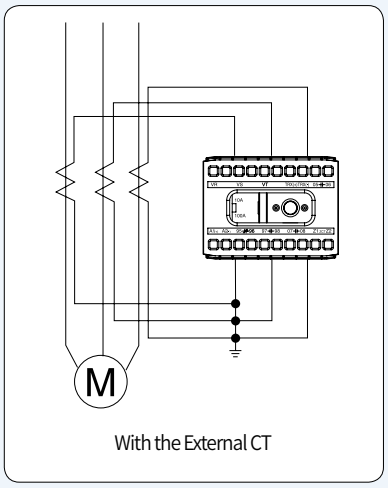
Terminal configuration

Terminal layout	Communication specification
	• Operation mode: Differential • Distance: Max. 1.2km • General RS-485 shielded twist 2-pair cable • Baud rate: 9600/19200/38400bps • Transmission Method : Half-Duplex • Max. In/Output Voltage : -7V~+12V

Engrave	Description	Remark
A1(+), A2(-)	Input terminal for operation power	AC/DC85~245V
95-96	When the power is ON (NC contact output)	Settings Menu Reference
97-98	When the power is ON (NO contact output)	
07-08	Converted to the NC mode only when an instantaneous trip occurs.	
Z1, Z2	Output terminal for the zero-phase sequence current transformer	Specific ZCT (for the EMPR)
TRX(+)	RS485 terminal (TRX+) Or 4~20mA (+) output	M485, A420 Type
TRX(-)	RS485 terminal (TRX-) Or 4~20mA (-) output	
VR/VS/VT	3-phase voltage input terminal	Specifications not available for IMP-C models
05-06	Output terminal for voltage protection	

Note) 1. The 3-phase voltage input terminal and 05-06 output terminal should be connected only for voltage protection models, which will be released in the future.
2. For RS485 connection, the terminal resistance should be 120Ω.
3. For 4~20mA current, the maximum burden should be less than 500Ω.



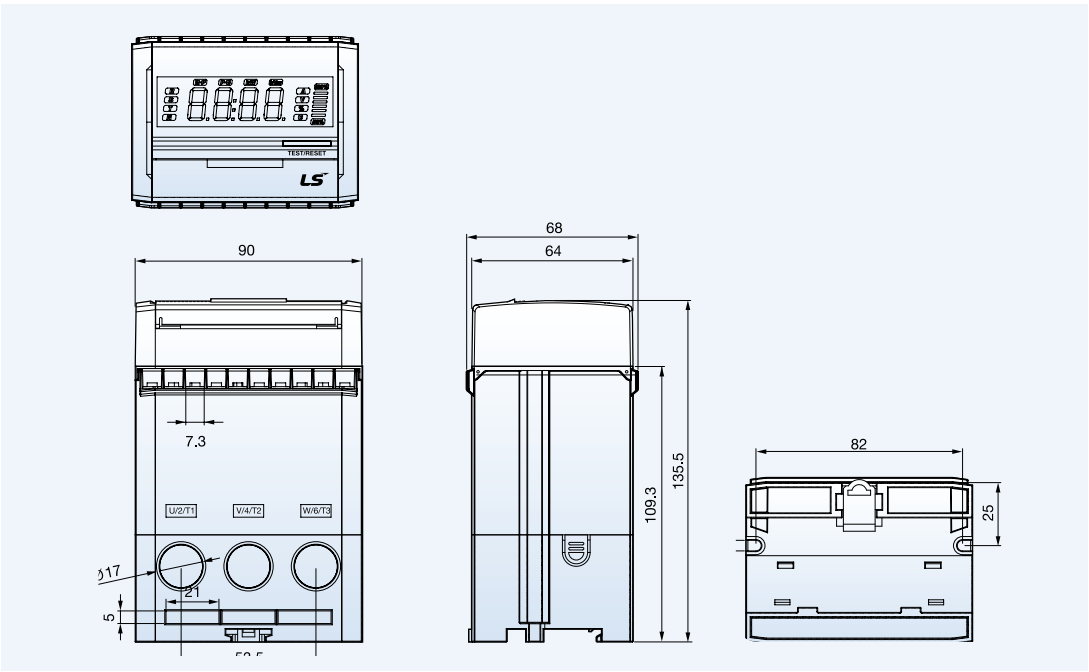


Note) 1. When the zero-phase-sequence current transformer is used to detect ground faults, connect the ZCT.
2. When the single-phase motor is used, all phases are connected except the S phase, and open-phase, unbalance and ground fault should be set OFF.
3. It is possible to change settings of output contact(95-96, 97-98, 07-08) at your discretion.

Dimensions

One-body type

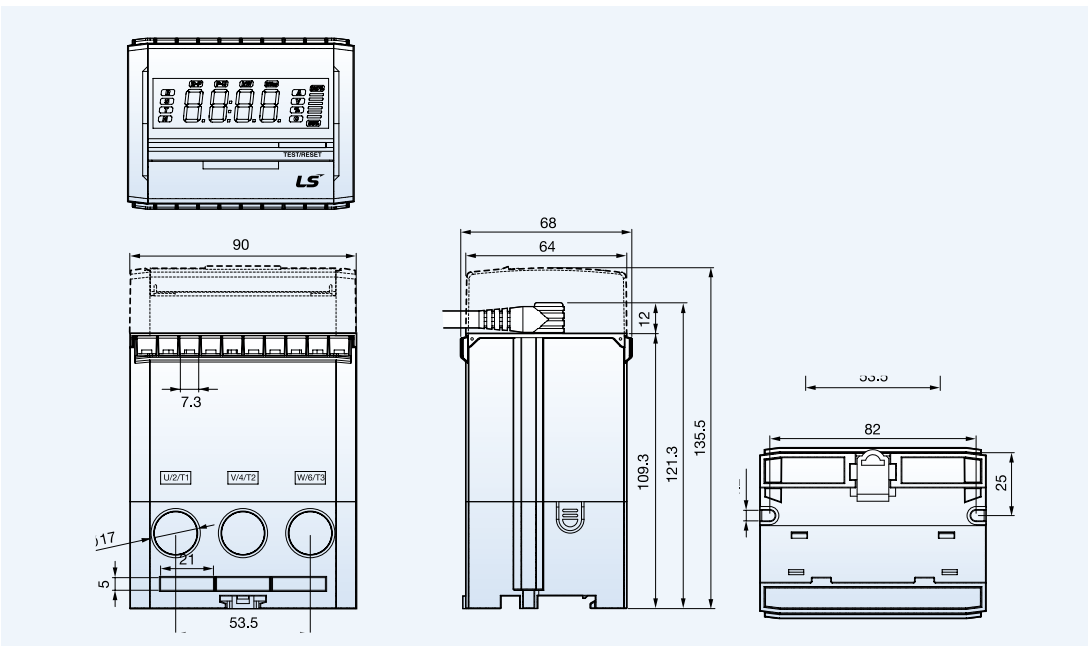
Unit : mm

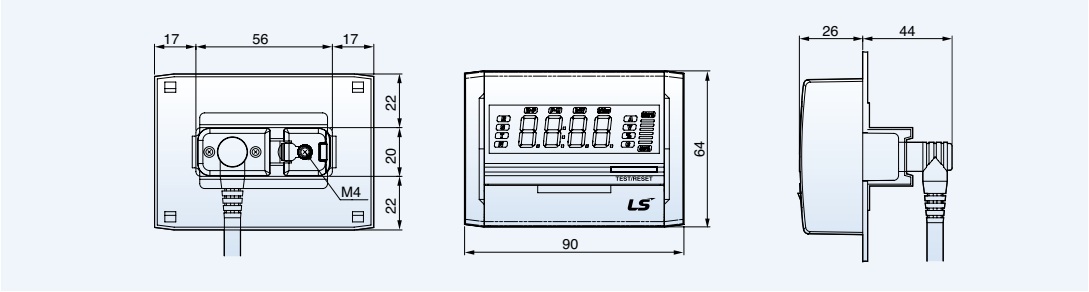


Note) The cable should be purchased separately (1m/1.5m/2m/3m).

Separate body type

Unit : mm





Innovative Upgrade of Motor Control Panel!

More compact and Safer! We implement perfect motor protection.



- Power, Voltage, Current (measurement error: 1%)
- Power, Voltage, Current, Power Factor Protection
- Harmonic measurement (1st to 16th)
- Diverse motor starting types
  (Full voltage, Y-D, Reversible, Reactor, Inverter Starting)
- Modbus communication and 4~20mA

One model with various motor starting types

One S-EMPR model is applicable to various motor staring types, such as full voltage starting, Y-△ starting, reversible staring, Reactor starting, and Inverter starting.

A variety of SCADA functions based on sequence structure

With a simple sequence, it is possible to not only control local operation panel (LOP) and MCC panel, but conduct Supervisory Control And Data Acquisition through SPLC or DCS based auto operation and communication.



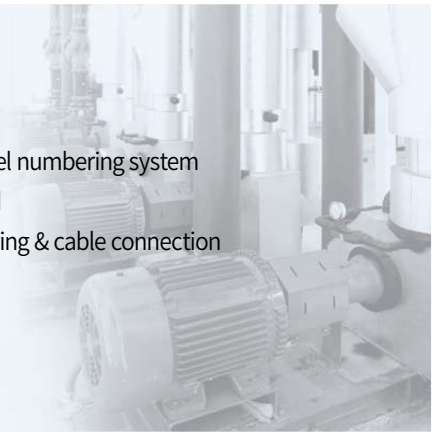
MMP Series

Smart Electronic Motor Protection Relays

- Current, Voltage, Power Measurement and Power Factor Protection
- Instantaneous interruption compensation and restarting
- Harmonic measurement (1st to 16th)
- Modbus communication and 4~20mA

Contents

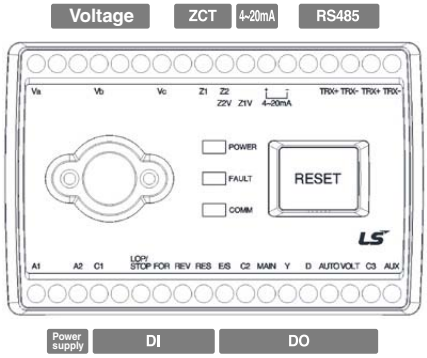
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Terminal configuration / Wiring & cable connection

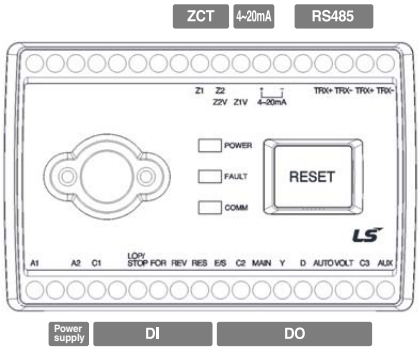
Terminal configuration (S-EMPR MMP-PM)

Terminals	Description	Remarks
Va, Vb, Vc	Voltage input	Current model Blank
Z1, Z2	ZCT input	Universal (Z1, Z2 : 1.5mA) Z2V, Z1V Dedicated (Z2V, Z1V : 100mV)
Z2V, Z1V		
4~20mA (+), (-)	4~20mA output	-
TRX1+, TRX1-	RS485 communication	Modbus(1 channel)
TRX2+, TRX2-		
A1, A2	Control power input	110Vac or 220Vac 50/60Hz
C1	Contact input Common	-
Lop/Stop, For, Rev, Res, E/S	Contact input	RES : Reset, E/S: Emergency Stop
C2	Relay output Common	-
Main, Y, D, Auto, Volt	Relay output	D: Delta, VOLT : output contacts for voltage & power elements
C3	Relay output Common	Aux output Common
Aux	Relay output	Current element output contacts



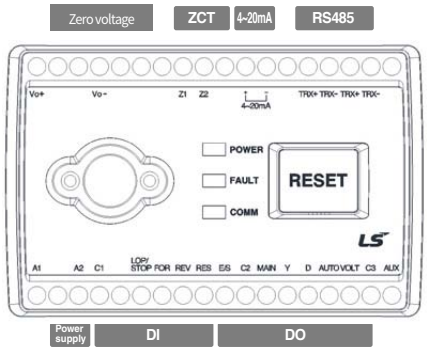
Terminal configuration (S-EMPR MMP-CM)

Terminals	Description	Remarks
A1, A2	Operating power input terminal	110Vac or 220Vac 50/60Hz
C1	Contact point in put common	Lop/Stop, For, Rev, Res, E/S contact point
Lop/Stop	Lop operation mode selection and external stop S/W	-
For	External On(Forward) input S/W	On input in Lop/Auto operation
Rev	Reverse input S/W in forward/reverse starting	REV input in Lop/Auto operation
Res	External Reset S/W	Reset input in Lop operation
E/S	External Emergency Stop S/W	-
C2	Contact point output common	Main, Y, D, Auto contact point
Main	Motor On output	If forward/backward staring, forward rotation output
Y	Y-Delta starting: Y contact point output	-
	Inverter starting: Inverter contact point output	-
	Full voltage starting: No use	-
	Forward/backward staring: No use	-
	Reactor starting: No use	-
D	Y-Delta starting: Delta contact point output	-
	Forward/backward staring: reverse rotation contact point output	-
	Reactor starting: Reactor (R) contact point output	-
	Inverter starting: Bypass contact point output	-
	Full voltage starting: No use	-
Auto	Auto state signal output	If Auto state mode is selected
C3	Contact point output common	Aux contact point only
Aux	Current factors contact point output	-
Z1,Z2	Zero current transformer output connection terminal	Universal ZCT(200mA/1.5mA)
Z1V, Z2V	Zero current transformer output connection terminal	ZCT(200mA/100mV)
+,-	4~20mA output	-
TRX+,TRX-	RS485terminal	-



Terminal configuration (S-EMPR MMP-SM)

Terminals	Description	Remarks
A1, A2	Operating power input terminal	110Vac or 220Vac 50/60Hz
C1	Contact point in put common	Lop/Stop, For, Rev, Res, E/S contact point
Lop/Stop	Lop operation mode selection and external stop S/W	-
For	External On(Forward) input S/W	On input in Lop/Auto operation
Rev	Reverse input S/W in forward/reverse starting	REV input in Lop/Auto operation
Res	External Reset S/W	Reset input in Lop operation
E/S	External Emergency Stop S/W	-
C2	Contact point output common	Main, Y, D, Auto contact point
Main	Motor On output	If forward/backward staring, forward rotation output
Y	Y-Delta starting: Y contact point output	-
	Inverter starting: Inverter contact point output	-
	Full voltage starting: No use	-
	Forward/backward staring: No use	-
	Reactor starting: No use	-
D	Y-Delta starting: Delta contact point output	-
	Forward/backward staring: reverse rotation contact point output	-
	Reactor starting: Reactor (R) contact point output	-
	Inverter starting: Bypass contact point output	-
	Full voltage starting: No use	-
Auto	Auto state signal output	If Auto state mode is selected
Volt	Ground fault overvoltage factors and current trip contact point output	-
C3	Contact point output common	Aux contact point only
AUX	Other current factors contact point output	-
Vo+, Vo-	Zero voltage input	-
Z1,Z2	Zero current transformer output connection terminal	Universal ZCT(200mA/1.5mA)
+,-	4~20mA output	-
TRX+,TRX-	RS485terminal	-



*Attention in panel design

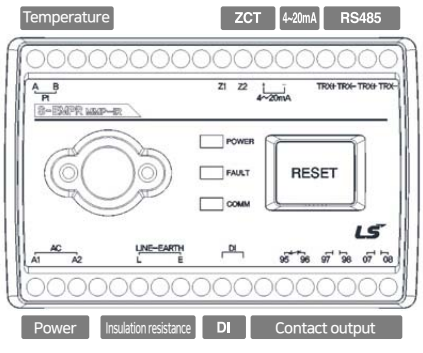
1. It is required to have grounding connection with all equipment.
2. It is required to minimize wiring as most as possible.
3. After a shield-type cable is applied, it is required to ground the shield.

*If induced voltage occurs

1. It is required to add a proper capacitor in parallel depending on the parasitic capacitance of product input part.
2. If induced voltage occurs even after the capacitor is added, it is required to get auxiliary relay energyed in order for an input to make possible through an auxiliary contact point when a circuit is designed.

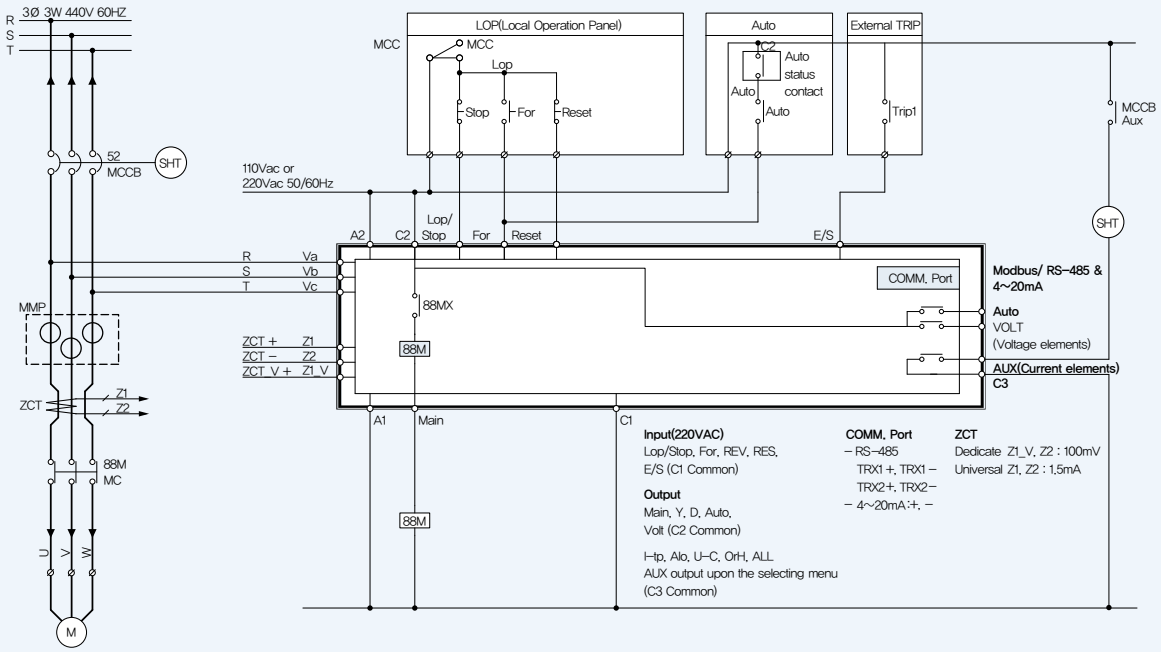
Terminal configuration (S-EMPR MMP-IR)

Terminals	Description	Remarks
A1, A2	Operating power input terminal	110Vac 60Hz
L, E	Terminal for insulation resistance measurement	Lop/Stop, For, Rev, Res, E/S contact point
DI	M/C status input terminal	110Vac 60Hz
95-96	In case of Power On (NC contact output terminal), (NO contact output terminal)	
97-98	In case of Power On (NC contact output terminal), (NO contact output terminal)	
07-08	Output of Instantaneous, Low current and Other alarm	
A-B	Temperature sensor input connection terminal	
Z1-Z2	Zero current transformer output connection terminal	ZCT(200mA/100mV)
+, -	4~20mA output	
TRX+,TRX-	RS485terminal	



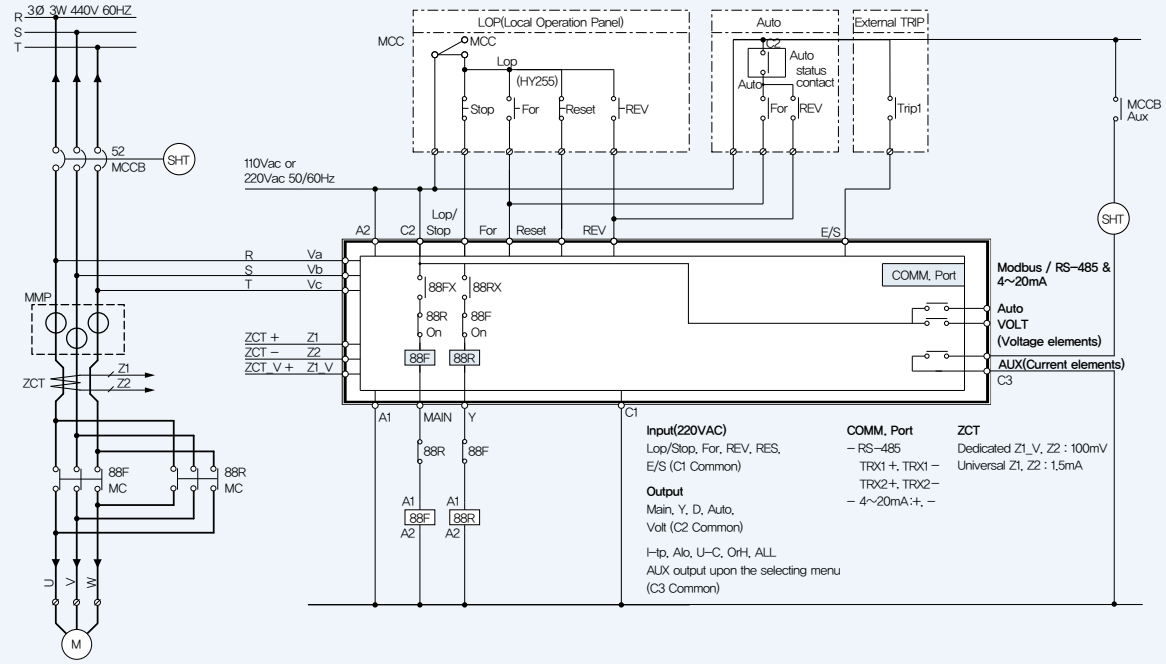
Terminal configuration / Wiring & cable connection

Full voltage start

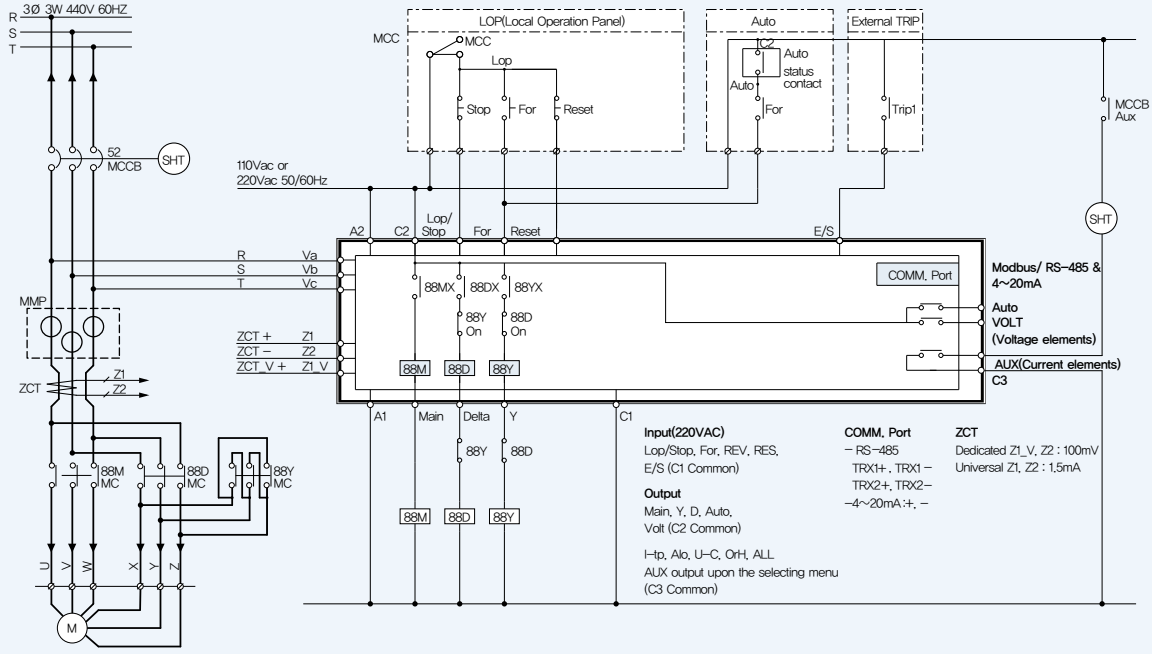


Note) In case of distance operation (LOP / AUTO), if a wiring distance is too long, induced voltage can cause malfunction. Therefore, bear in mind this point at the time of designing a panel.

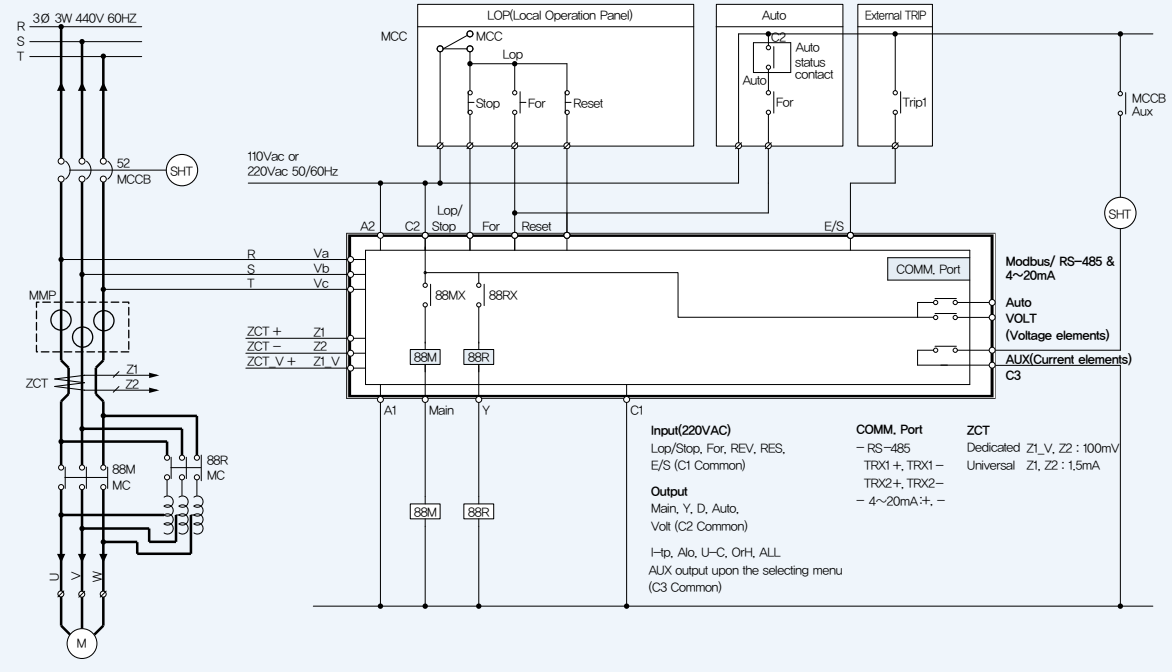
Reversible operation



Y-D start

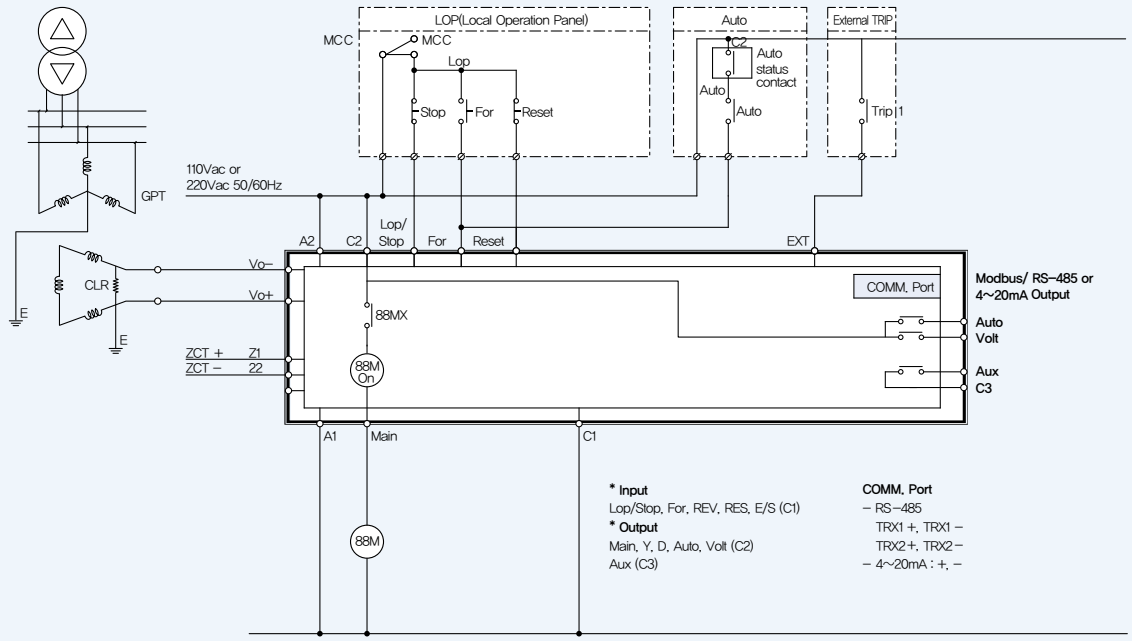


Reactor start

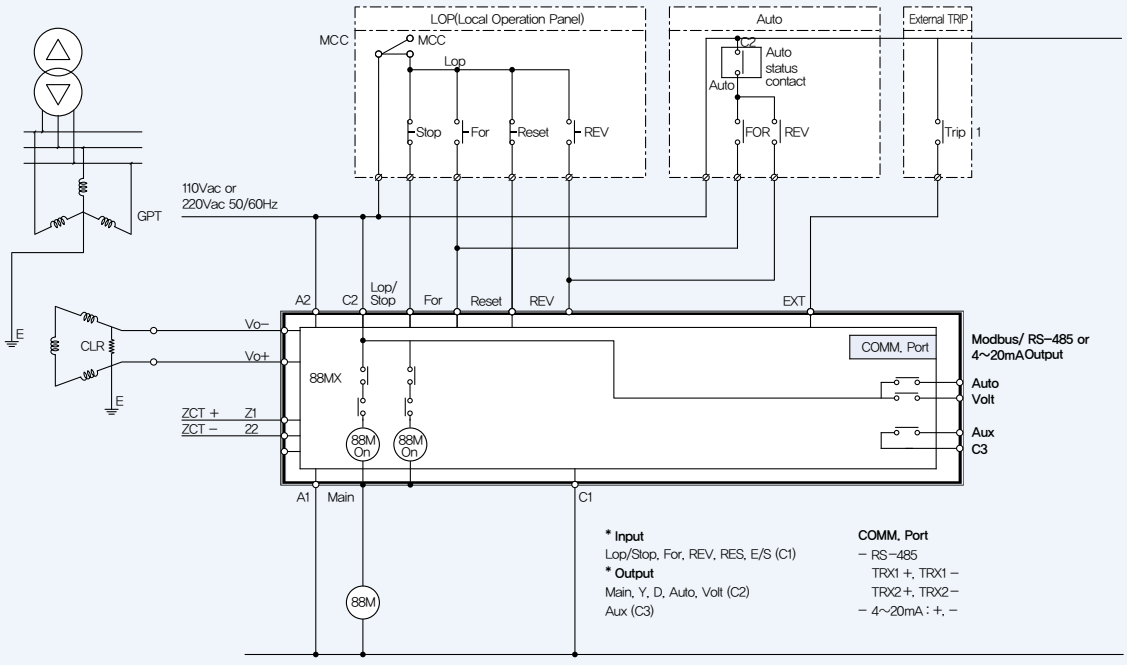


Terminal configuration / Wiring & cable connection

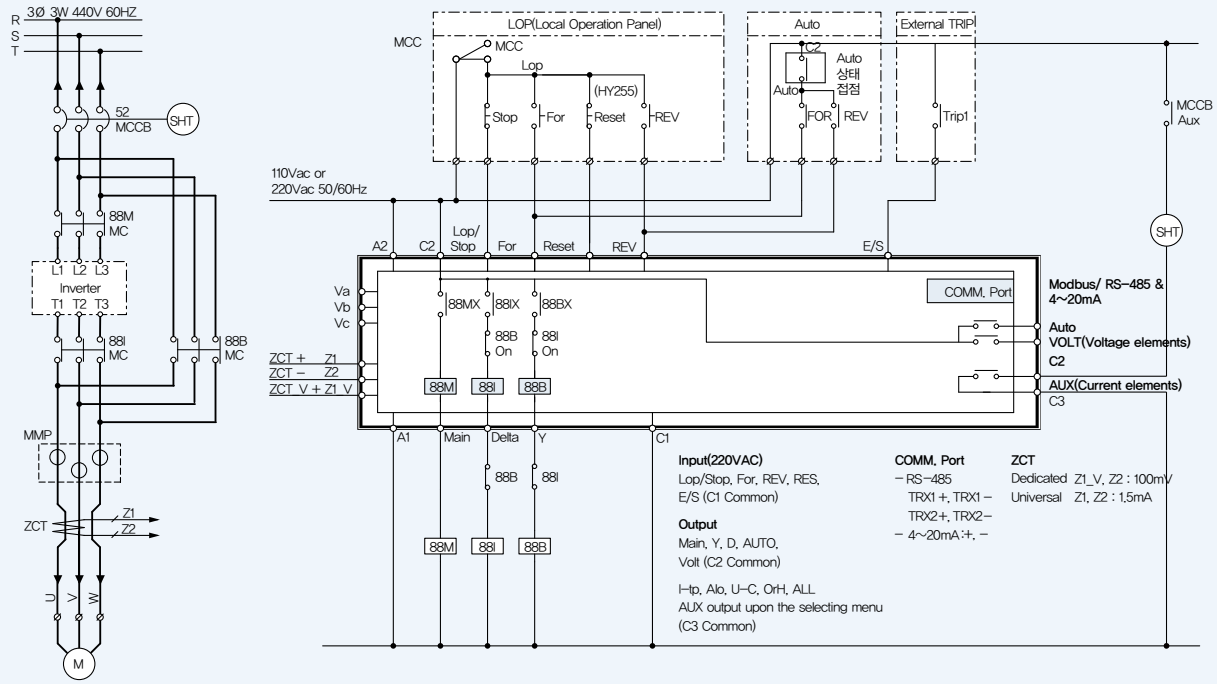
Irreversible full voltage starting



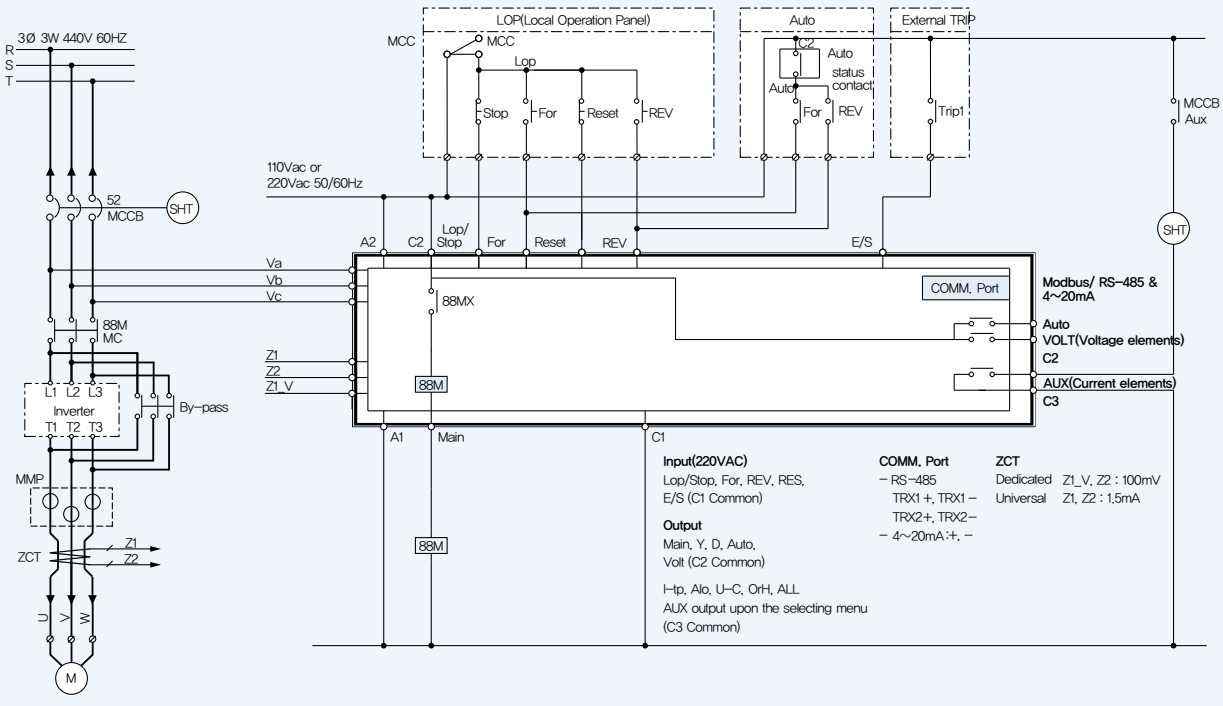
Reversible full voltage starting



Inverter start (Current)

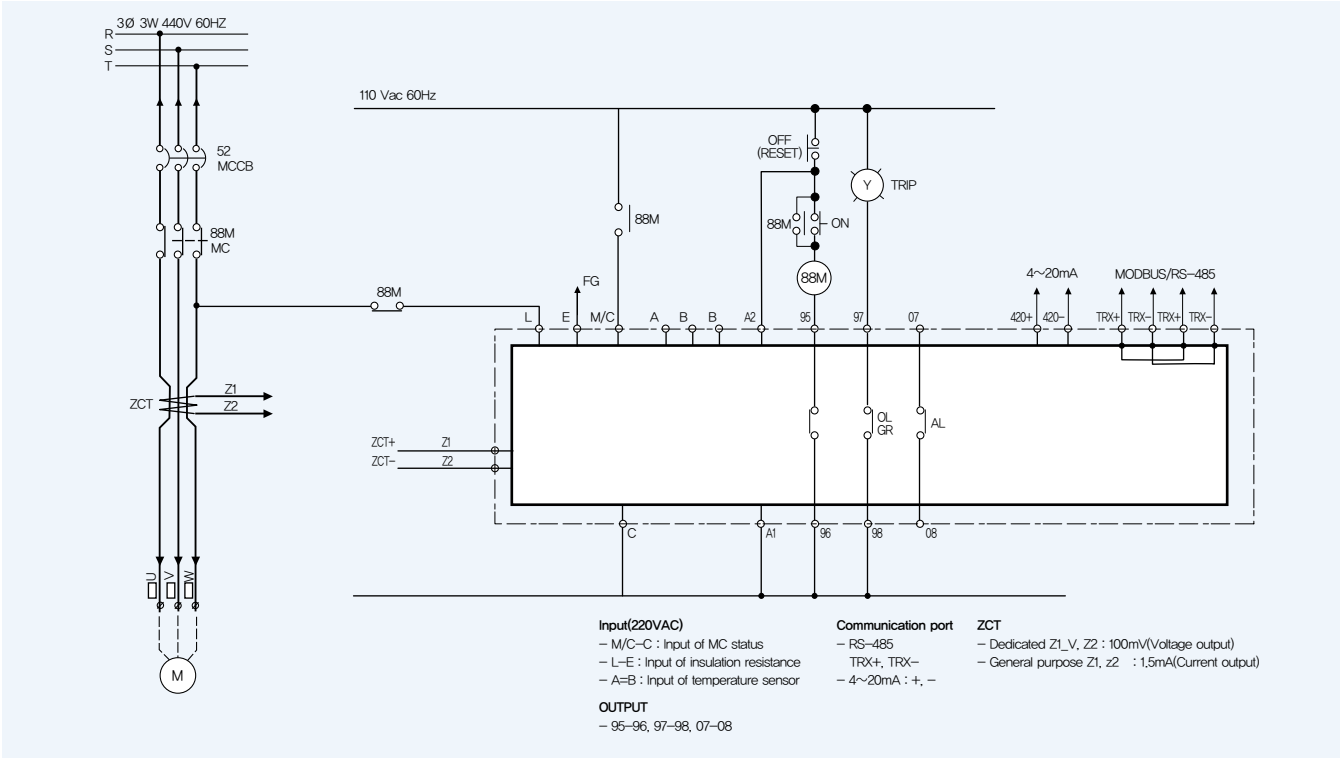


Soft starter start



Terminal configuration / Wiring & cable connection

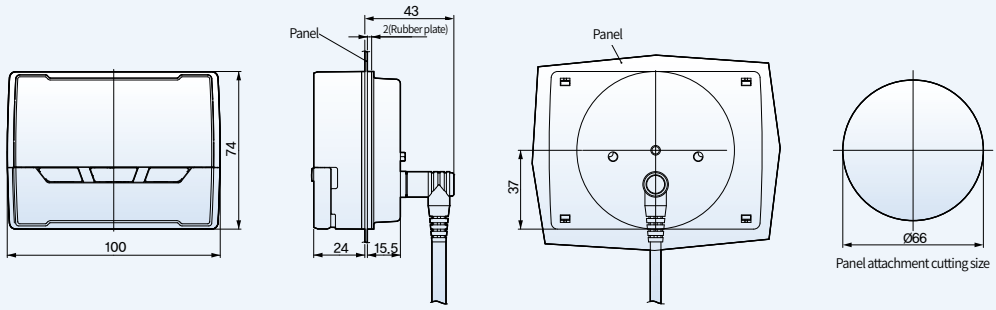
MMP-IR TYPE



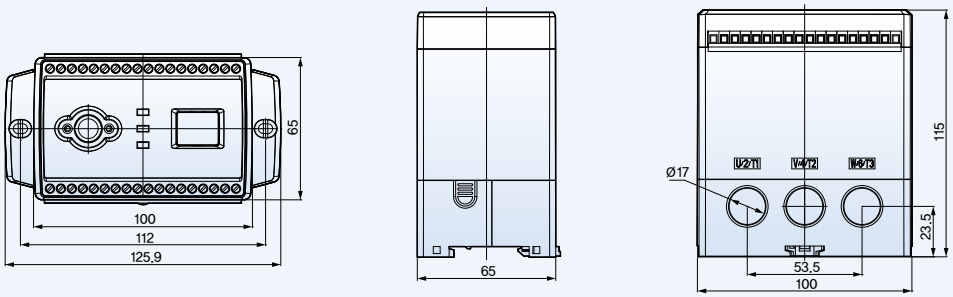
Note) IR model does not support start mode.

Dimensions

Unit : mm



Display part size in case of panel attachment



Size in case of panel attachment

Digital motor protection control device is suited for multiple motor starting method with a single model



IMC-III

Intelligent Motor Controller

- 1 model can be used on various motor start methods
- Wide range of protection functions
- Variety of remote surveillance control functions according to the sequence structure

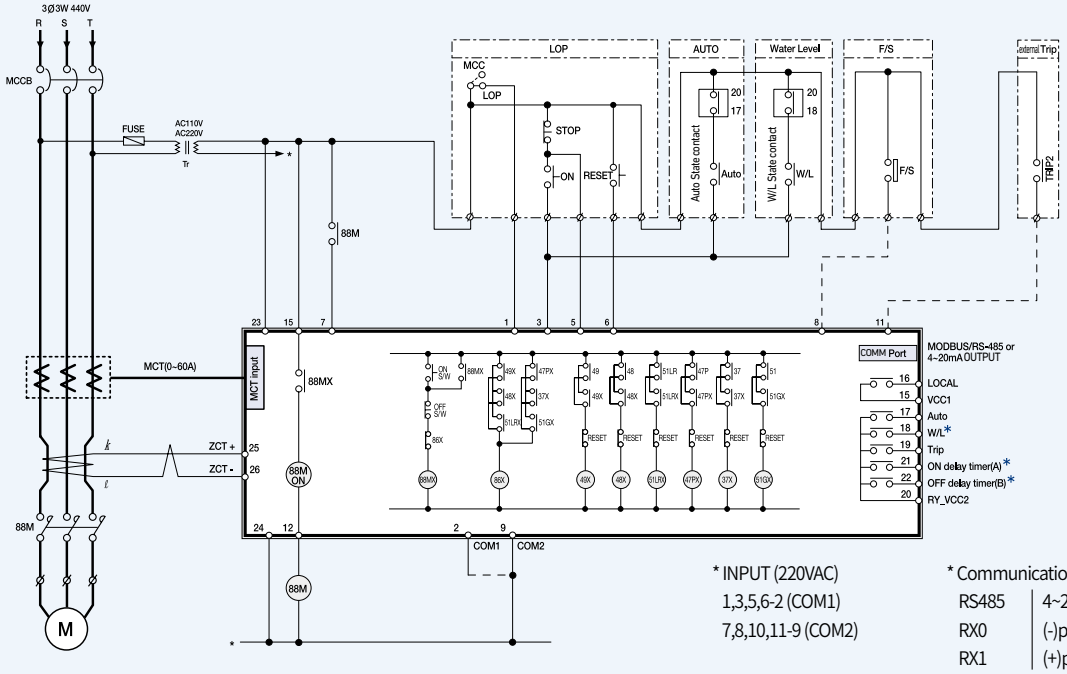
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Wiring & cable connection

Direct start sequence



* INPUT (220VAC)
1,3,5,6-2 (COM1)
7,8,10,11-9 (COM2)

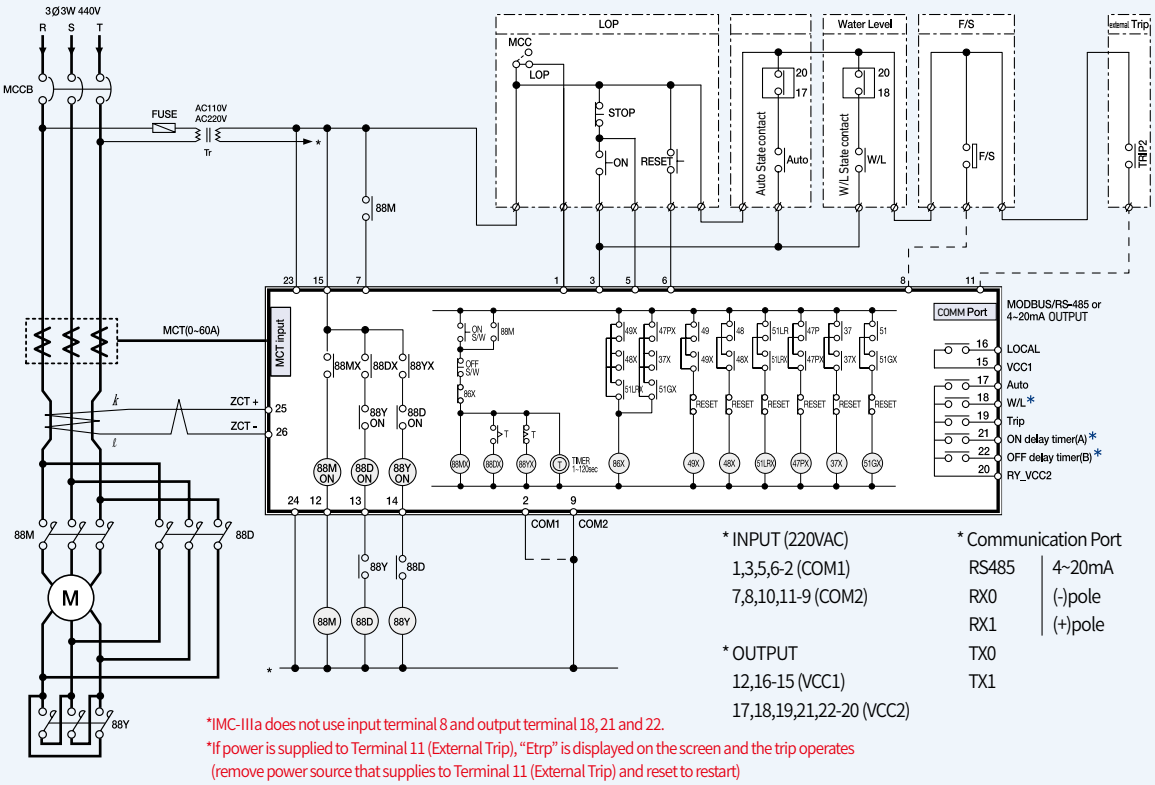
* OUTPUT
12,16-15 (VCC1)
17,18,19,21,22-20 (VCC2)

* Communication Port

RS485	4~20mA
RX0	(-)pole
RX1	(+)pole
TX0	
TX1	

*IMC-IIIa does not use input terminal 8 and output terminal 18, 21 and 22.
*If power is supplied to Terminal 11 (External Trip), "Etrp" is displayed on the screen and the trip operates (remove power source that supplies to Terminal 11 (External Trip) and reset to restart)

Y-△ start



* INPUT (220VAC)
1,3,5,6-2 (COM1)
7,8,10,11-9 (COM2)

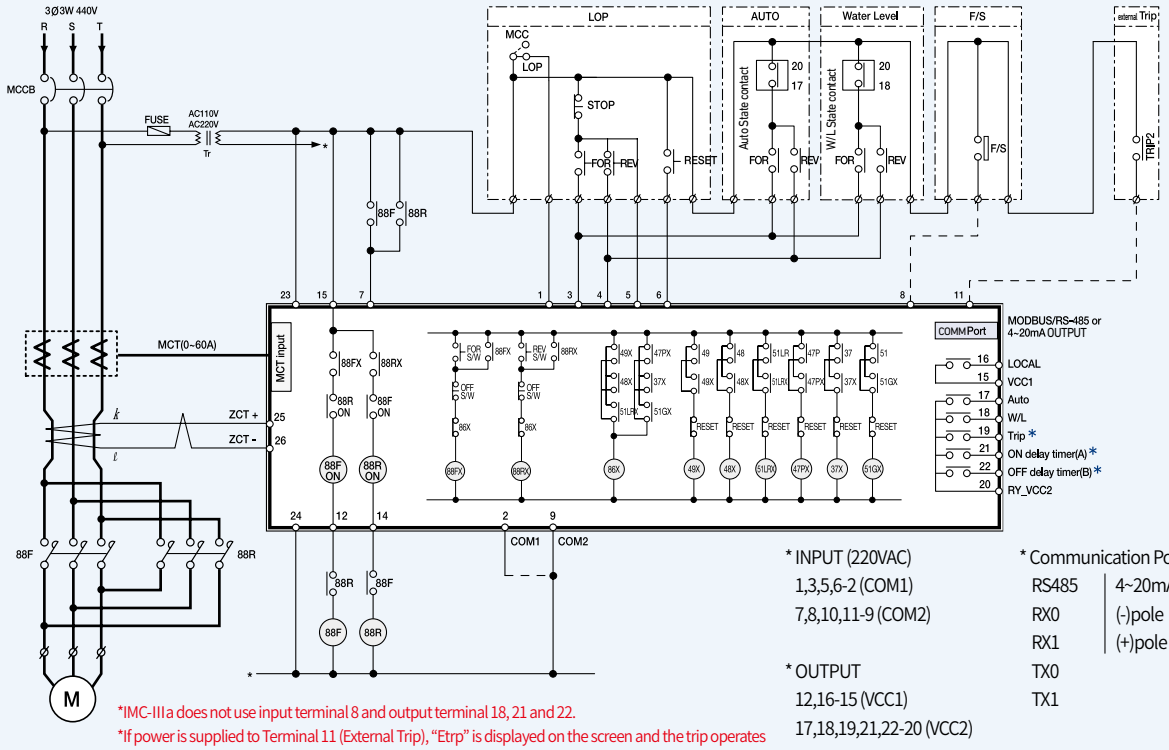
* OUTPUT
12,16-15 (VCC1)
17,18,19,21,22-20 (VCC2)

* Communication Port

RS485	4~20mA
RX0	(-)pole
RX1	(+)pole
TX0	
TX1	

*IMC-IIIa does not use input terminal 8 and output terminal 18, 21 and 22.
*If power is supplied to Terminal 11 (External Trip), "Etrp" is displayed on the screen and the trip operates (remove power source that supplies to Terminal 11 (External Trip) and reset to restart)

For/Rev start



* INPUT (220VAC)
1,3,5,6-2 (COM1)
7,8,10,11-9 (COM2)

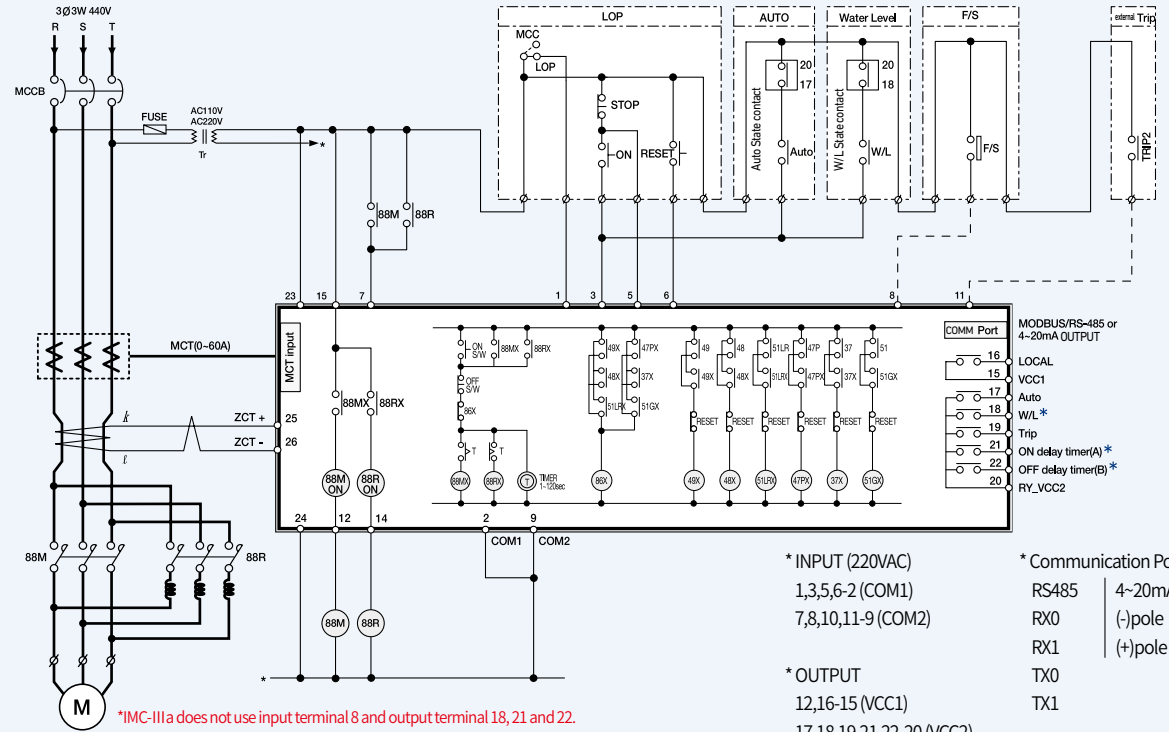
* OUTPUT
12,16-15 (VCC1)
17,18,19,21,22-20 (VCC2)

* Communication Port

RS485	4~20mA
RX0	(-)pole
RX1	(+)pole
TX0	
TX1	

*IMC-IIIa does not use input terminal 8 and output terminal 18, 21 and 22.
*If power is supplied to Terminal 11 (External Trip), "Etrp" is displayed on the screen and the trip operates (remove power source that supplies to Terminal 11 (External Trip) and reset to restart)

Reactor start



* INPUT (220VAC)
1,3,5,6-2 (COM1)
7,8,10,11-9 (COM2)

* OUTPUT
12,16-15 (VCC1)
17,18,19,21,22-20 (VCC2)

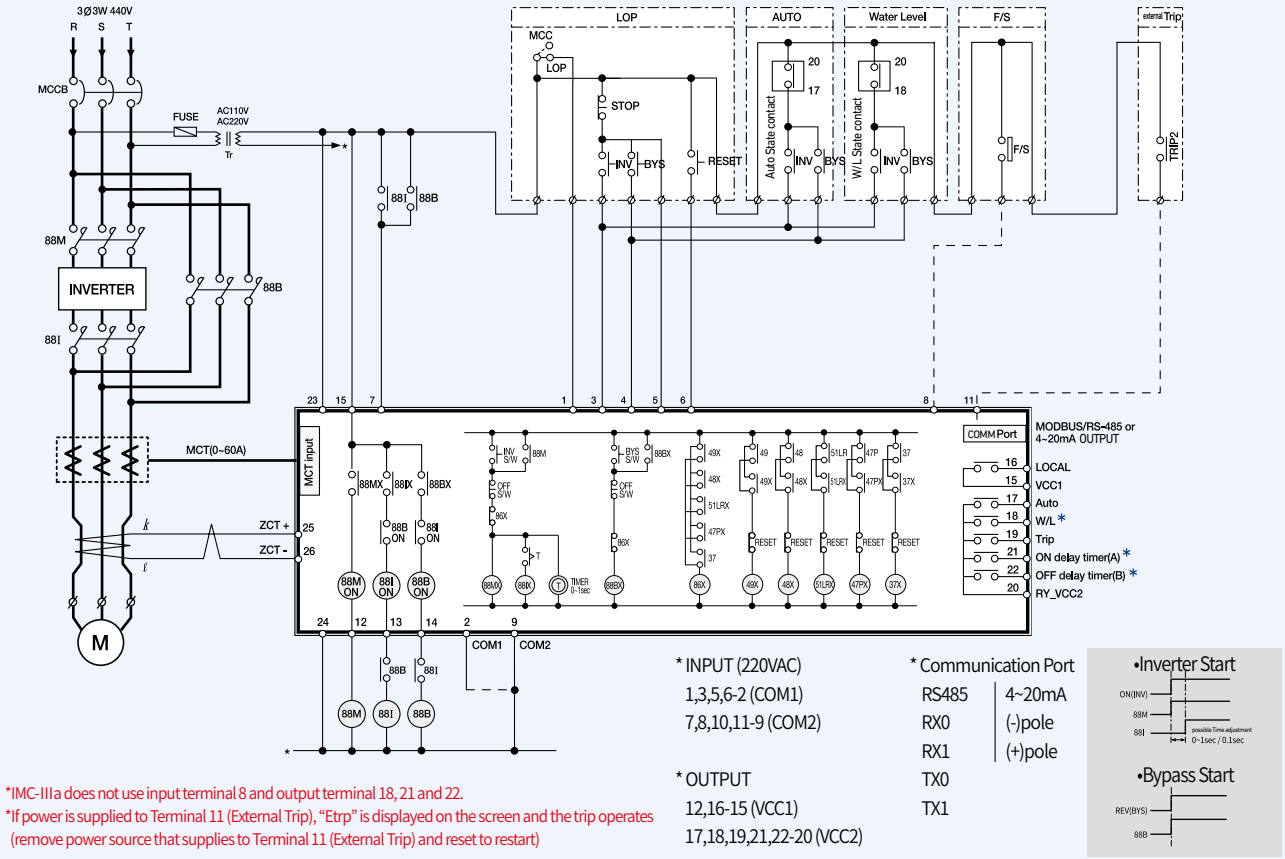
* Communication Port

RS485	4~20mA
RX0	(-)pole
RX1	(+)pole
TX0	
TX1	

*IMC-IIIa does not use input terminal 8 and output terminal 18, 21 and 22.
*If power is supplied to Terminal 11 (External Trip), "Etrp" is displayed on the screen and the trip operates (remove power source that supplies to Terminal 11 (External Trip) and reset to restart)

Wiring & cable connection

Inverter start



*IMC-IIIa does not use input terminal 8 and output terminal 18, 21 and 22.
*If power is supplied to Terminal 11 (External Trip), "Etrp" is displayed on the screen and the trip operates (remove power source that supplies to Terminal 11 (External Trip) and reset to restart)

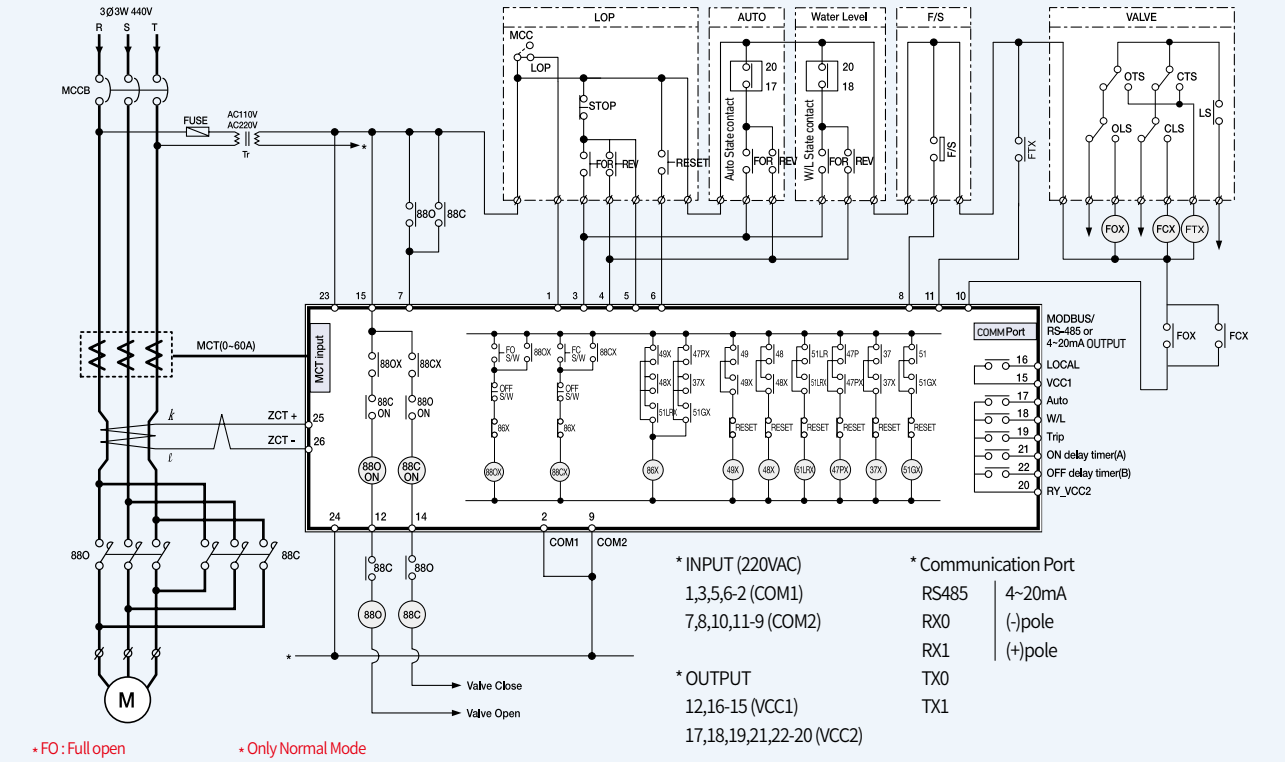
* INPUT (220VAC)
1,3,5,6-2 (COM1)
7,8,10,11-9 (COM2)

* OUTPUT
12,16-15 (VCC1)
17,18,19,21,22-20 (VCC2)

* Communication Port

RS485	4~20mA
RX0	(-)pole
RX1	(+)pole
TX0	
TX1	

FO/FC valve start (Forward/Reverse) (IMC-IIIa excluded)



* FO : Full open
FC : Full close

* Only Normal Mode

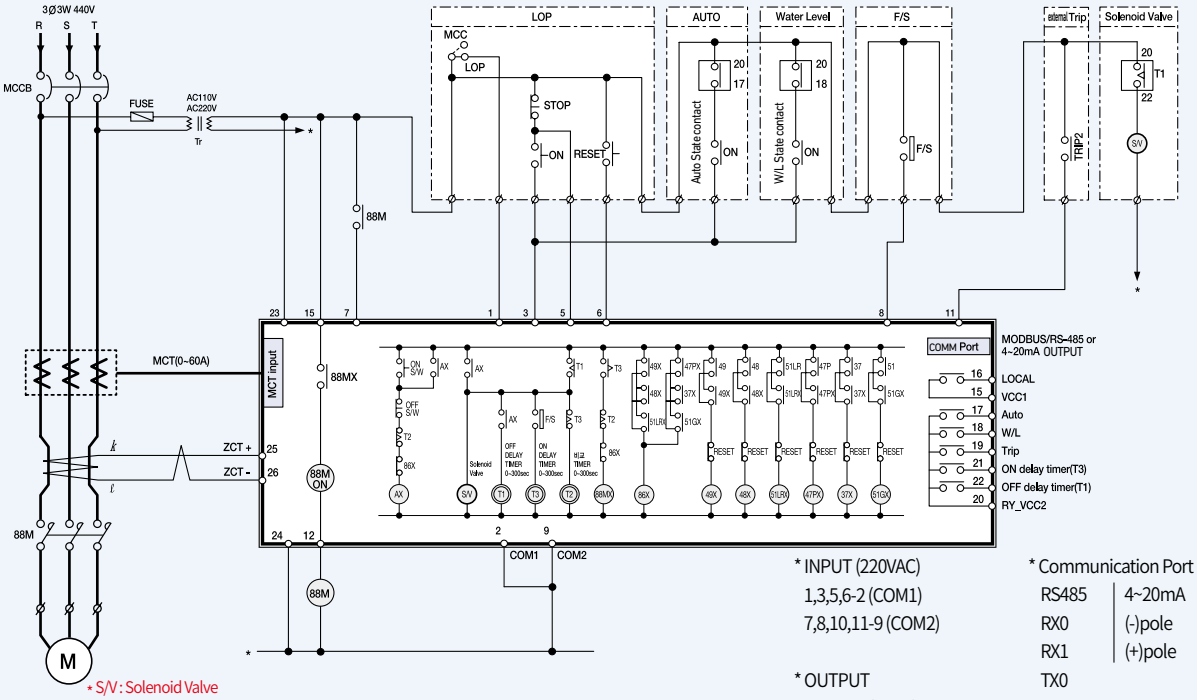
* INPUT (220VAC)
1,3,5,6-2 (COM1)
7,8,10,11-9 (COM2)

* OUTPUT
12,16-15 (VCC1)
17,18,19,21,22-20 (VCC2)

* Communication Port

RS485	4~20mA
RX0	(-)pole
RX1	(+)pole
TX0	
TX1	

S/V Start (Direct Input) (IMC-IIIa excluded)



① Once ON S/W input is made, S/V (Solenoid Valve) turns ON and OFF Delay Timer (T1) turns ON.
② If F/S (Flow Switch) input is made with set [T2-T3] time, ON Delay Timer (T3) turns ON.
③ After the set time since activation of ON (T3), the comparison timer (T2) turns OFF, 88MX turns ON and the motor starts.
④ If F/S input is not made within a set [T2-T3] time, ON execution is cancelled and "t2-F" is displayed.
⑤ Comparison timer (T2) must be larger than ON Delay Timer (T3), and it must consider the time needed for F/S inputs to be made.
⑥ If OFF S/W input is made to stop the motor, S/V and motor are OFF Delayed by the (T1) set time.
⑦ If F/S input is removed during motor operation

Terminal number

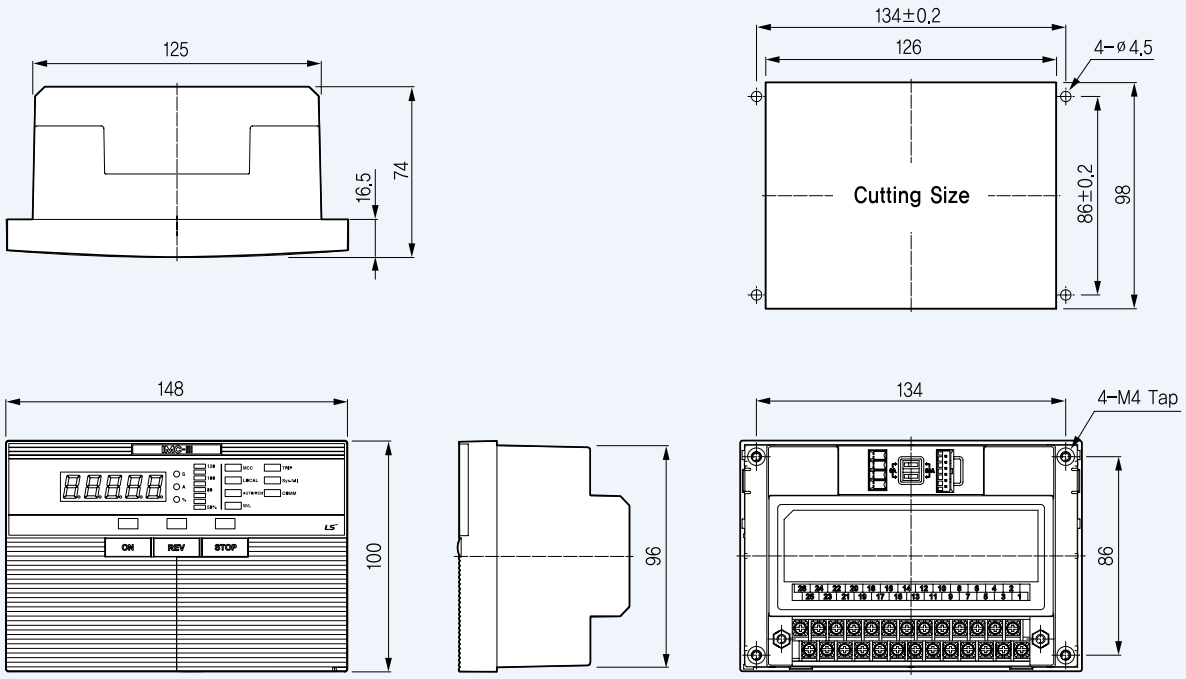
Terminal No	Explanation	Terminal No	
1	LOP selection input	14	Y Start/Reverse Rotation /Reactor/Bypass Contact Output
2	COM1 (1, 3, 4, 5, 6)	15	VCC1 (12, 13, 14, 16)
3	ON input	16	LOP condition output
4	Reverse Rotation ON Input (Bypass)	17	AUTO condition output
5	STOP input	18	Water Level condition output
6	RESET input	19	TRIP output (1a)
7	MC condition input	20	VCC2 (17, 18, 19, 21, 22)
8	F-S mode input	* 21	ON Delay Timer output (t-d, F-S mode)
9	COM2 (7, 8, 10, 11)	* 22	OFF Delay Timer output (t-d, F-S mode)
10	External trip1 input	23	Control Power (AC 110V or 220V)
11	External trip2 input	24	Control Power (AC 110V or 220V)
12	ON output	25	ZCT input (k)
13	△Start/Inverter Contact Output	26	ZCT input (ℓ)

* Normal Mode
20 - 21 : Operation Time Alarm("OrH") Output
20 - 22 : Not Used

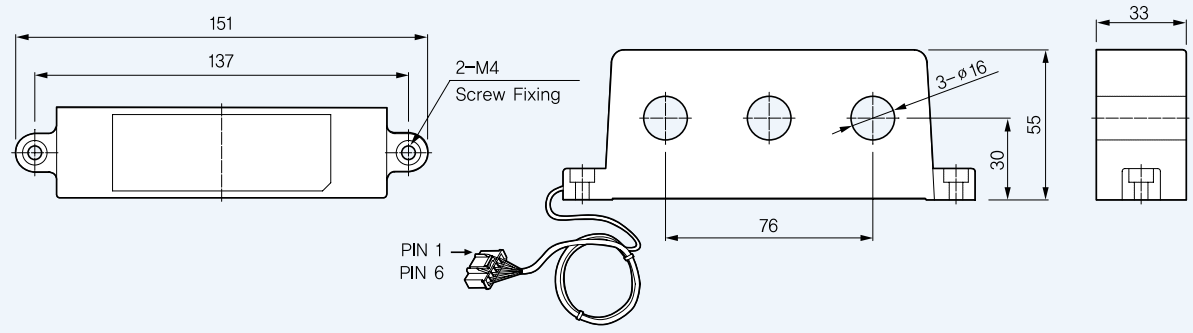
Dimensions

Dimensions

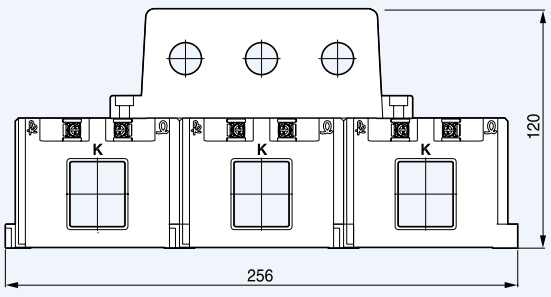
IMC-IIIa main unit



MCT



In case of MCT combination



Note) 1. This product is only for EMPR, IMC, user must not use for other service
2. Pls order each 3EA with IMC-IIIa, because this product is 1CT type.