

For Electric Actuators Fieldbus-compatible Gateway (GW) Unit Series *LEC-G*

- The LE series electric actuators are applicable to Fieldbus protocols.
- Conversion unit for Fieldbus network and LEC serial communication

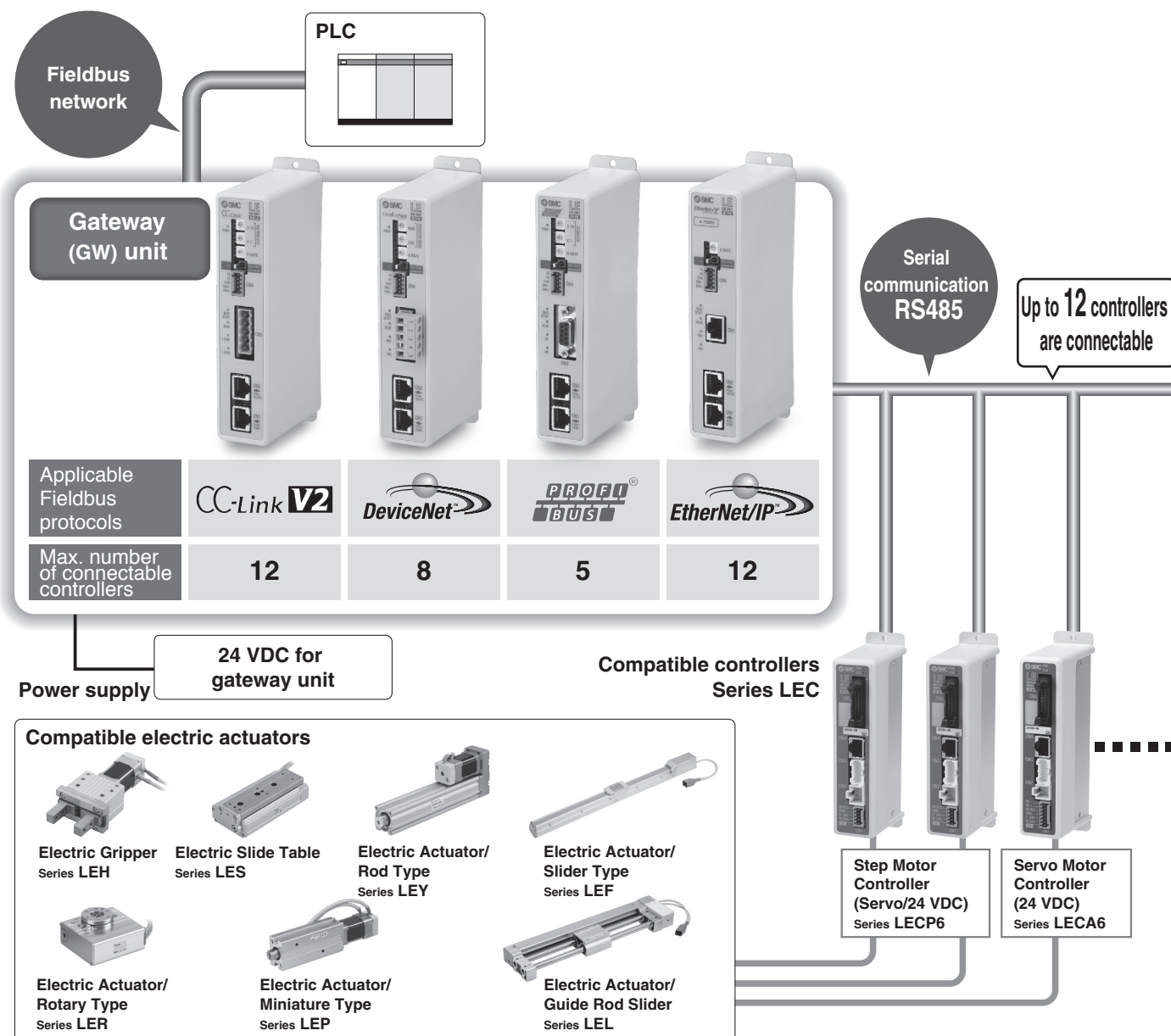
Applicable Fieldbus protocols: CC-Link **V2** *DeviceNet* **PROFIBUS** *EtherNet/IP*

■ Two methods of operation

Step data input: Operate using preset step data in the controller.

Numerical data input: The actuator operates using values such as position and speed from the PLC.

- Position, speed, etc. values can be checked on the PLC.



Series LEC-G

How to Order

GW unit

LEC - G MJ2

Applicable Fieldbus protocols

MJ2	CC-Link Ver. 2.0
DN1	DeviceNet™
PR1	PROFIBUS DP
EN1	EtherNet/IP™

Mounting

—	Screw mounting
D	DIN rail mounting



Cable

LEC - CG 1 - L

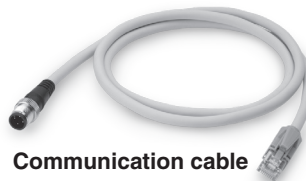
Cable type

1	Communication cable
2	Cable between branches

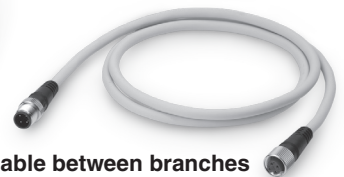
Cable length

K	0.3 m
L	0.5 m
1	1 m

Communication cable



Cable between branches



Branch connector

LEC - CGD

Branch connector



Specifications

Model			LEC-GMJ2□		LEC-GDN1□	LEC-GPR1□	LEC-GEN1□
Communication specifications	Applicable system	Fieldbus	CC-Link		DeviceNet™	PROFIBUS DP	EtherNet/IP™
		Version <small>Note 1)</small>	Ver. 2.0		Release 2.0	V1	Release 1.0
	Communication speed [bps]		156 k/625 k/2.5 M /5 M/10 M		125 k/250 k/500 k	9.6 k/19.2 k/45.45 k/ 93.75 k/187.5 k/500 k/ 1.5 M/3 M/6 M/12 M	10 M/100 M
	Configuration file <small>Note 2)</small>		—		EDS file	GSD file	EDS file
	I/O occupation area		4 stations occupied (8 times setting)	Input 896 points 108 words Output 896 points 108 words	Input 186 bytes Output 182 bytes	Input 57 words Output 57 words	Input 256 bytes Output 256 bytes
	Power supply for communication	Power supply voltage [V]	—		11 to 25 VDC	—	—
		Internal current consumption [mA]	—		100	—	—
	Communication connector specifications		Connector (Accessory)		Connector (Accessory)	D-sub	RJ45
Terminating resistor		Not included		Not included	Not included	Not included	
Power supply voltage [V]			24 VDC ±10%				
Current consumption [mA]	Not connected to teaching box		200				
	Connected to teaching box		300				
EMG output terminal			30 VDC 1 A				
Controller specifications	Applicable controllers		Series LECP6, Series LECA6				
	Communication speed [bps] <small>Note 3)</small>		115.2 k/230.4 k				
	Max. number of connectable controllers <small>Note 4)</small>		12	8 <small>Note 5)</small>	5	12	
Accessories			Power supply connector, communication connector		Power supply connector		
Operating temperature range [°C]			0 to 40 (No freezing)				
Operating humidity range [%RH]			90 or less (No condensation)				
Storage temperature range [°C]			-10 to 60 (No freezing)				
Storage humidity range [%RH]			90 or less (No condensation)				
Weight [g]	Screw mounting type		200				
	DIN rail mounting type		220				

Note 1) Please note that the version is subject to change.

Note 2) Each file can be downloaded from the SMC website, <http://www.smcworld.com>

Note 3) When using a teaching box (LEC-T1-□), set the communication speed to 115.2 kbps.

Note 4) Communication response time for 1 controller is approximately 30 ms.

Refer to "Communication Response Time Guideline" for response times when several controllers are connected.

Note 5) For step data input, up to 12 controllers connectable.

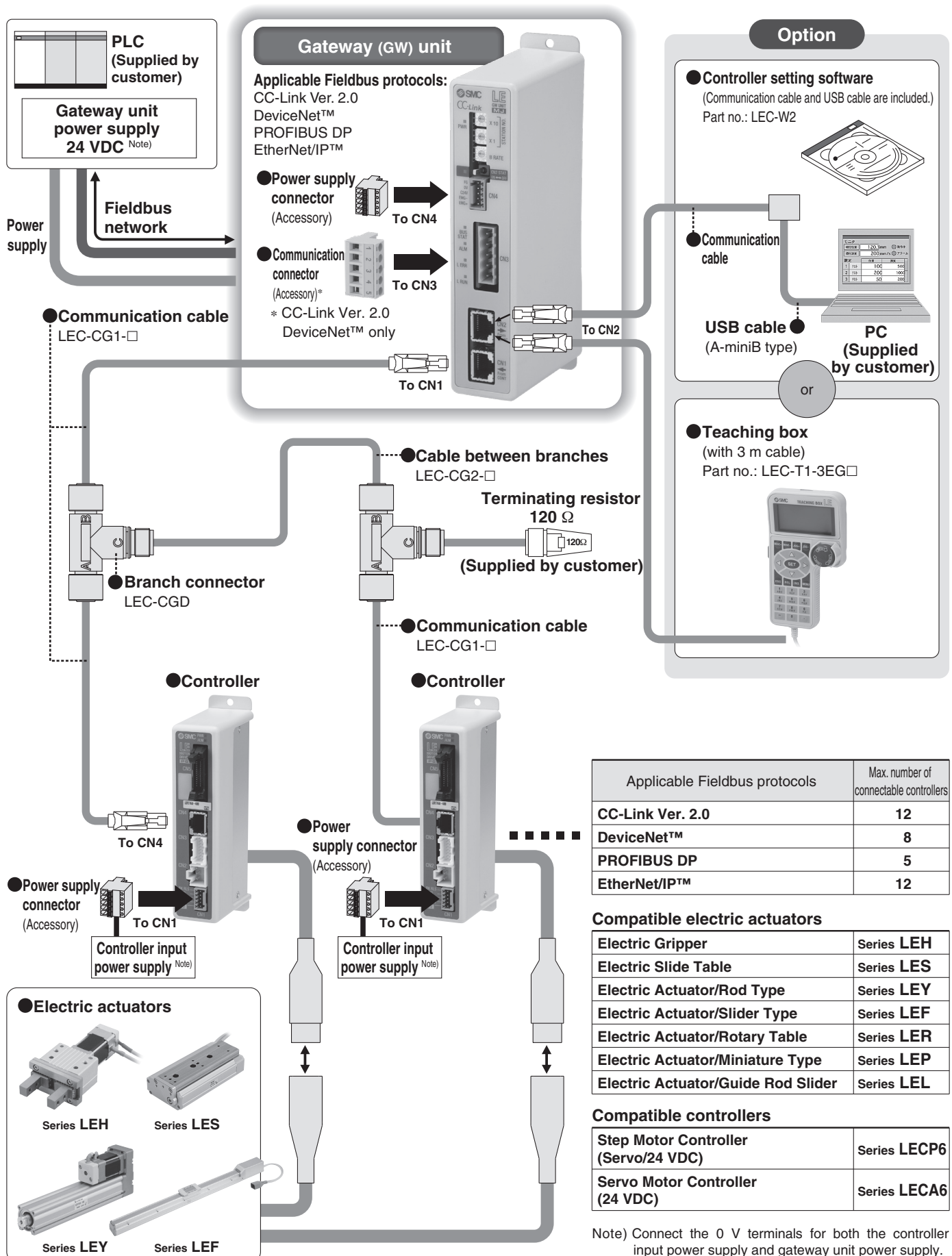
Trademark

DeviceNet™ is a trademark of ODVA.

EtherNet/IP™ is a trademark of ODVA.



System Construction

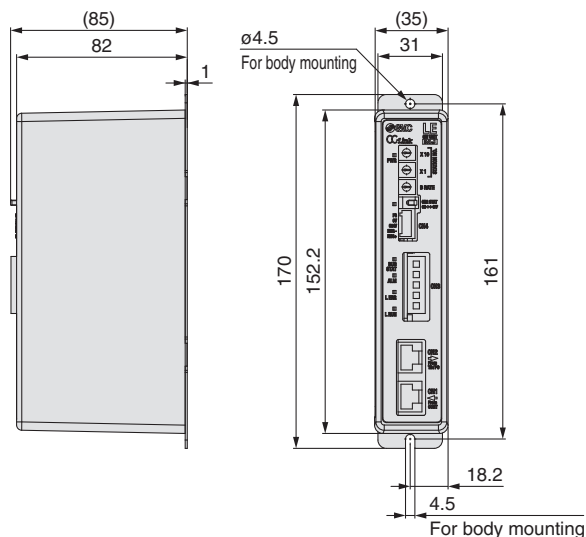


Series **LEC-G**

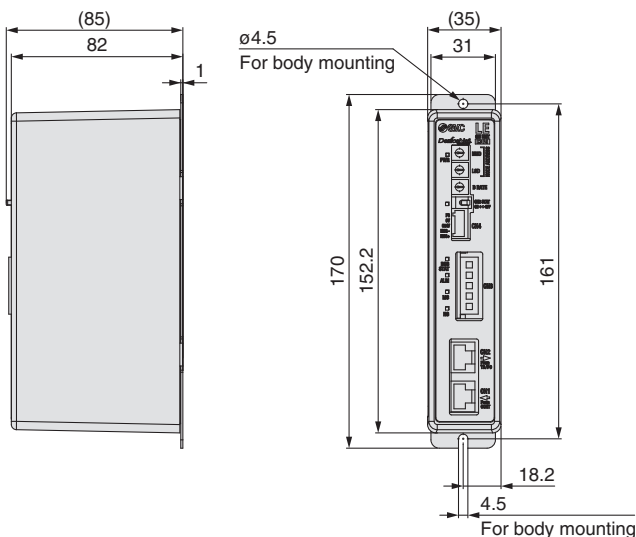
Dimensions

Screw mounting (LEC-G□□□□)

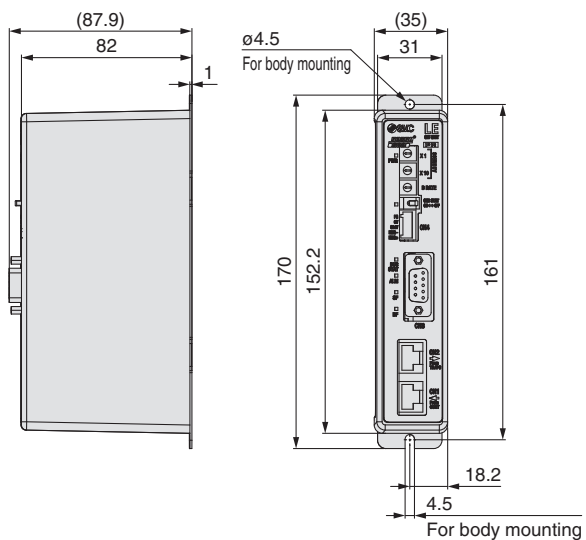
Applicable Fieldbus protocol: CC-Link Ver. 2.0



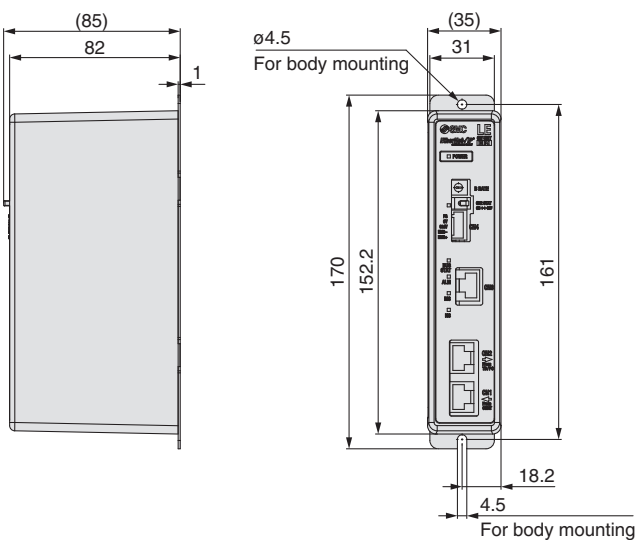
Applicable Fieldbus protocol: DeviceNet™



Applicable Fieldbus protocol: PROFIBUS DP



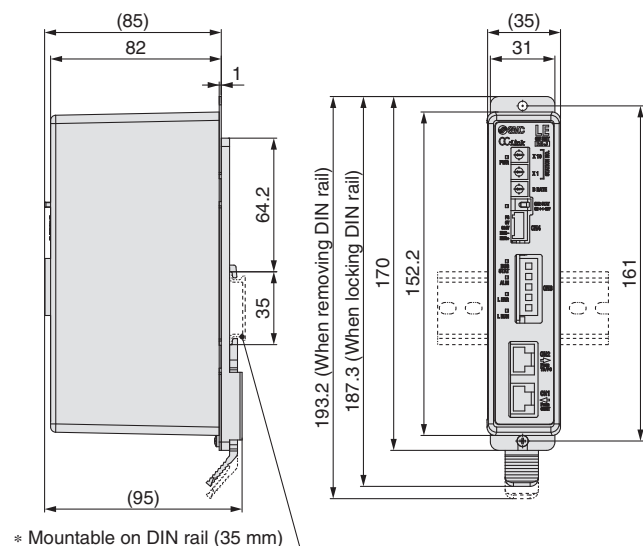
Applicable Fieldbus protocol: EtherNet/IP™



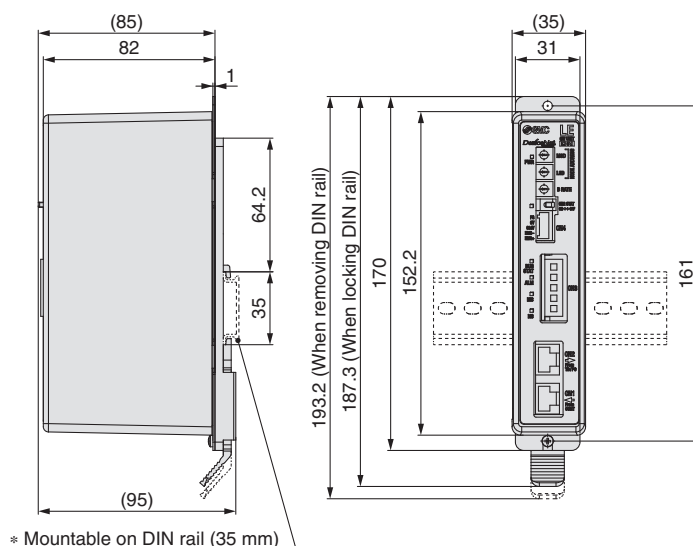
Dimensions

DIN rail mounting (LEC-G□□□D)

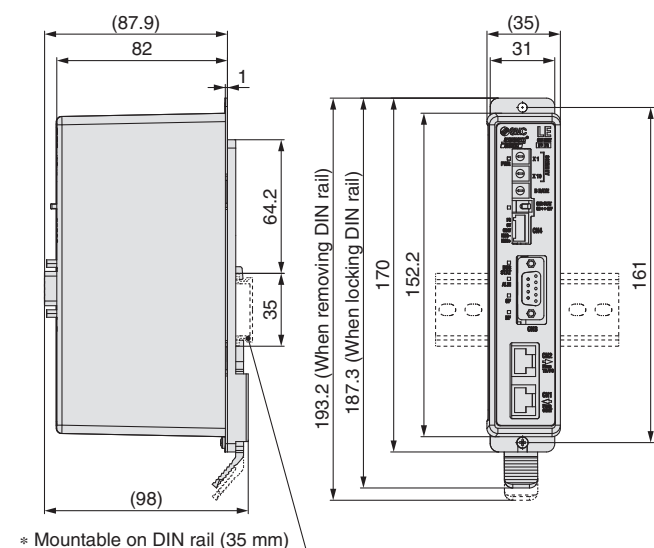
Applicable Fieldbus protocol: CC-Link Ver. 2.0



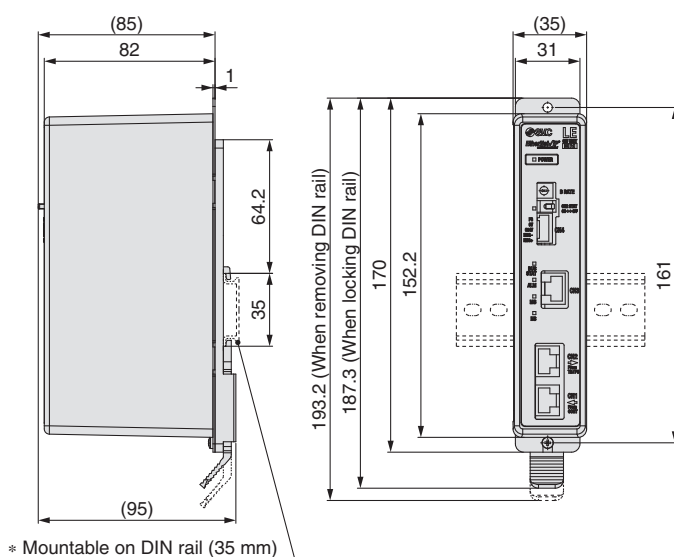
Applicable Fieldbus protocol: DeviceNet™



Applicable Fieldbus protocol: PROFIBUS DP

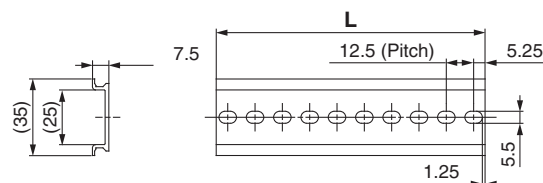


Applicable Fieldbus protocol: EtherNet/IP™



DIN rail AXT100-DR-□

* For □, enter a number from the "No." line in the table below.
 Refer to the dimensions above for the mounting dimensions.



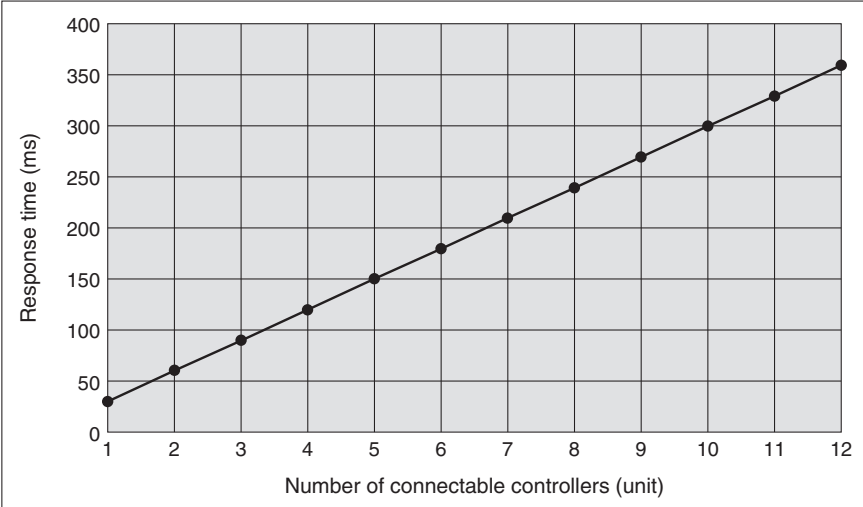
L Dimension [mm]

No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L	23	35.5	48	60.5	73	85.5	98	110.5	123	135.5	148	160.5	173	185.5	198	210.5	223	235.5	248	260.5
No.	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
L	273	285.5	298	310.5	323	335.5	348	360.5	373	385.5	398	410.5	423	435.5	448	460.5	473	485.5	498	510.5

Series LEC-G

Communication Response Time Guideline

Response time between gateway unit and controllers depends on the number of controllers connected to the gateway unit. For response time, refer to the graph below.



* This graph shows delay times between gateway unit and controllers.
Fieldbus network delay time is not included.



SMC Corporation (Europe)

Austria	☎ +43 (0)2262622800	www.smc.at	office@smc.at	Lithuania	☎ +370 5 2308118	www.smc.lt	info@smclt.lt
Belgium	☎ +32 (0)33551464	www.smc-pneumatics.be	info@smc-pneumatics.be	Netherlands	☎ +31 (0)205318888	www.smc-pneumatics.nl	info@smc-pneumatics.nl
Bulgaria	☎ +359 (0)2807670	www.smc.bg	office@smc.bg	Norway	☎ +47 67129020	www.smc-norge.no	post@smc-norge.no
Croatia	☎ +385 (0)13707288	www.smc.hr	office@smc.hr	Poland	☎ +48 (0)222119616	www.smc.pl	office@smc.pl
Czech Republic	☎ +420 541424611	www.smc.cz	office@smc.cz	Portugal	☎ +351 226166570	www.smc.eu	postpt@smc-smces.es
Denmark	☎ +45 70252900	www.smc.dk.com	smc@smcdk.com	Romania	☎ +40 213205111	www.smcromania.ro	smcromania@smcromania.ro
Estonia	☎ +372 6510370	www.smc-pneumatics.ee	smc@smc-pneumatics.ee	Russia	☎ +7 8127185445	www.smc-pneumatik.ru	info@smc-pneumatik.ru
Finland	☎ +358 207513513	www.smc.fi	smc-fi@smc.fi	Slovakia	☎ +421 (0)413213212	www.smc.sk	office@smc.sk
France	☎ +33 (0)164761000	www.smc-france.fr	promotion@smc-france.fr	Slovenia	☎ +386 (0)73885412	www.smc.si	office@smc.si
Germany	☎ +49 (0)61034020	www.smc.de	info@smc.de	Spain	☎ +34 902184100	www.smc.eu	post@smc-smces.es
Greece	☎ +30 210 2717265	www.smc-hellas.gr	sales@smc-hellas.gr	Sweden	☎ +46 (0)86031200	www.smc.nu	post@smc.nu
Hungary	☎ +36 23511390	www.smc.hu	office@smc.hu	Switzerland	☎ +41 (0)523963131	www.smc.ch	info@smc.ch
Ireland	☎ +353 (0)14039000	www.smc-pneumatics.ie	sales@smc-pneumatics.ie	Turkey	☎ +90 212 489 0 440	www.smc-pnomatik.com.tr	info@smc-pnomatik.com.tr
Italy	☎ +39 0292711	www.smc-italia.it	mailbox@smc-italia.it	UK	☎ +44 (0)845 121 5122	www.smc-pneumatics.co.uk	sales@smc-pneumatics.co.uk
Latvia	☎ +371 67817700	www.smc.lv	info@smclv.lv				