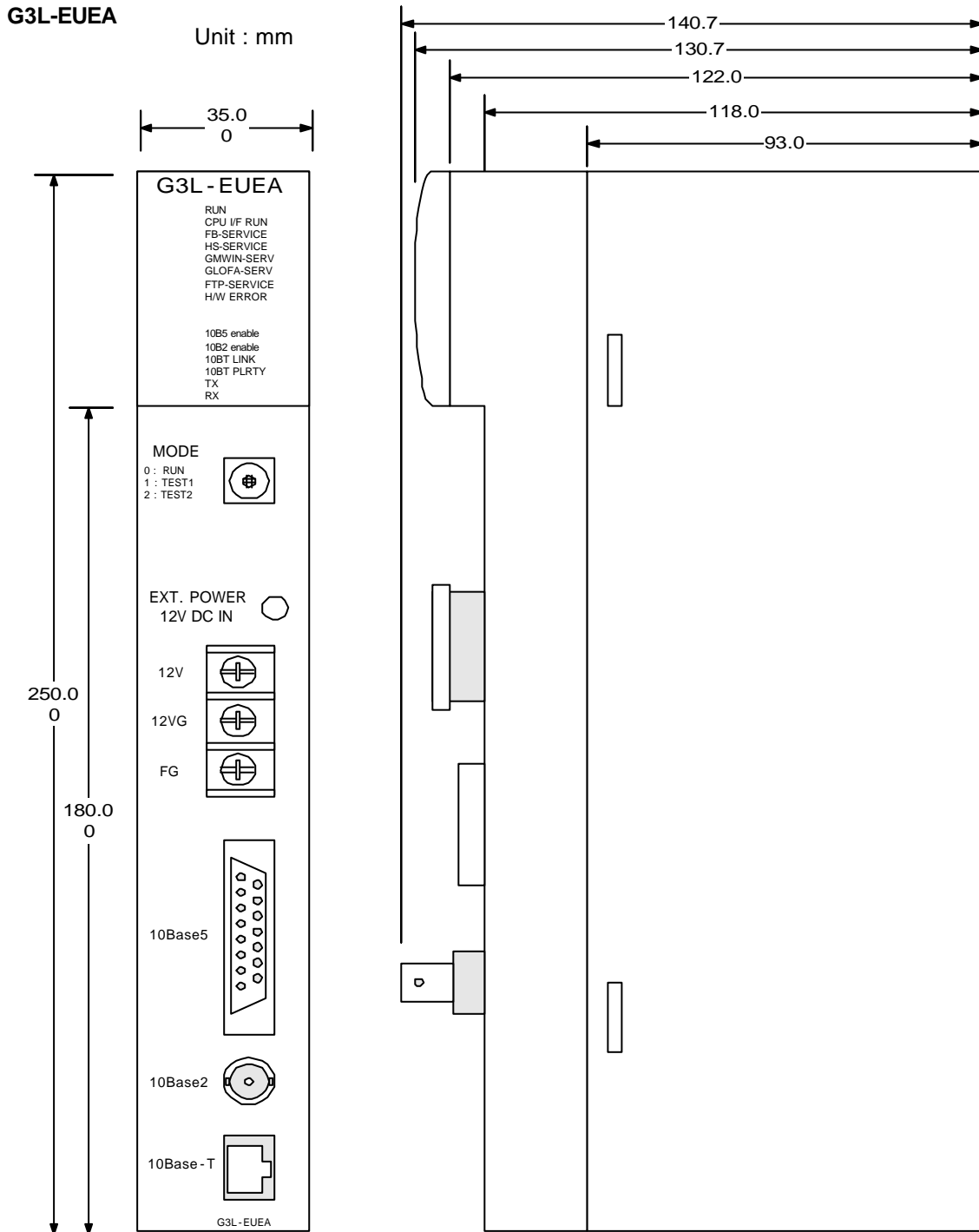


## Appendix

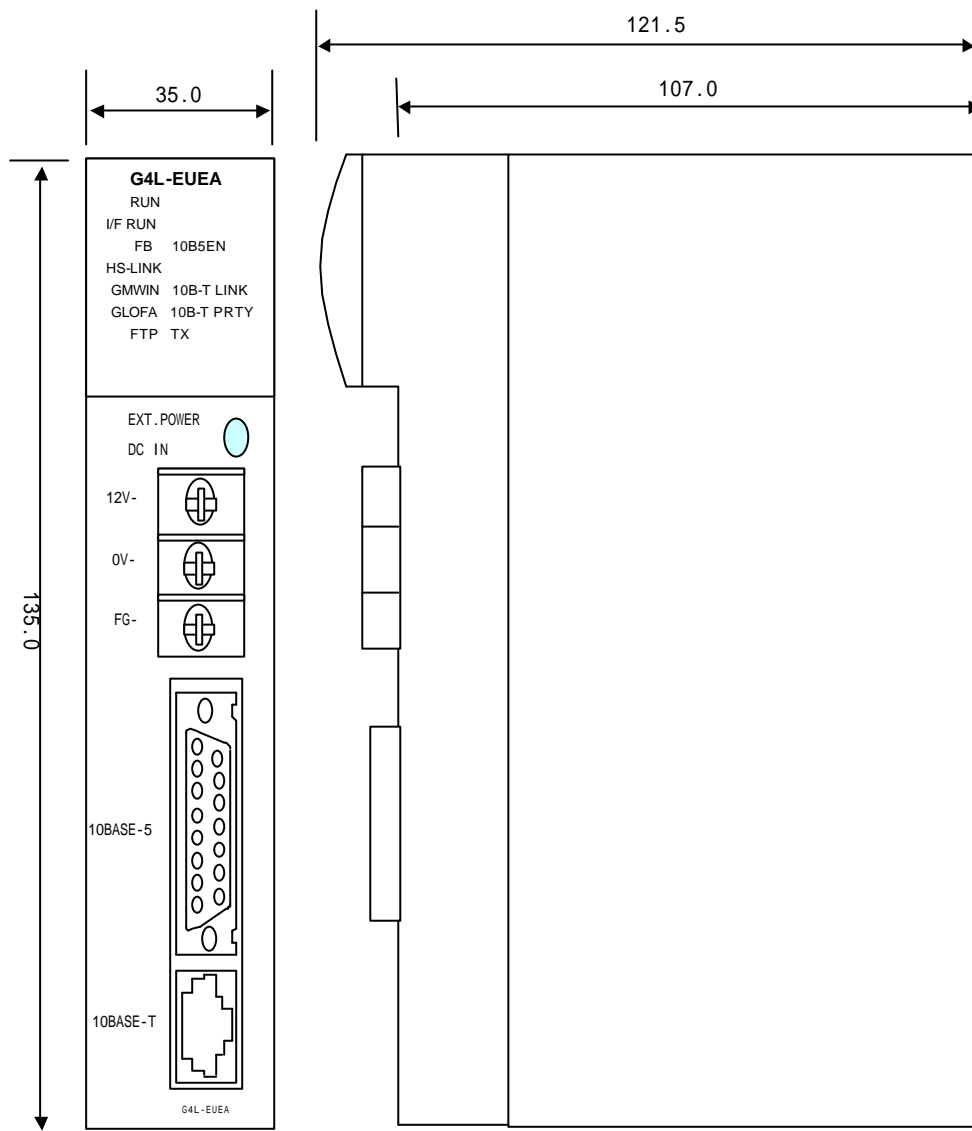
**A1 LED display specification**

LED No.	Display on module	Description
0	RUN	On if power is supplied normally and communication module is initialized normally.
1	CPU I/F RUN	On if normal communication is available with CPU module. Off if error occurs on common-used RAM check during initializing operation after powered.
2	FB-SERVICE	On if FB in service.
3	HS-SERVICE	Flickering if HS link in service.
4	GMWIN-SERVICE	On if GMWIN connected.
5	GLOFA-SERVICE	On if exclusive service used.
6	FTP-SERVICE	On during FTP connection. (not supported as of now)
7	H/W ERROR	On if error occurs which is impossible to recover by module itself.
8	--	N/A
9	--	N/A
10	10BASE5 Enable	On if 10BASE5 is available. (On if 10B5/2 is set in basic setting of frame editor and the jumper in communication module is set to 10BASE5)
11	10BASE2 Enable	On if 10BASE2 is available. (On if 10B5/2 is set in basic setting of frame editor and the jumper in communication module is set to 10BASE2)
12	10BASE-T LINK	On if 10BASE-T is connected. (On if 10B-T is set in basic setting of frame editor)
13	10BASE-T PLRTY	On if poles of 10BASE-T connection are normal. On if poles of 10BASE-T connection are normal.
14	TX	Flickering at TX.
15	RX	Flickering at RX.

**A2 External dimensions**



G4L-EUEA



## Appendix

### A3 Error Codes

#### A3.1 Error received from communication module

Error No. (Decimal)	Description
0	Normal(no error)
1	Link' s physical layer error(TX/RX unavailable) - Self-station error and other station' s power Off, other station No. Write error/trouble.
3	FB distinguisher to receive not found in communication channel. - Not used in LG.
4	Data type disagreed
5	Reset received from other station. - Not used in LG.
6	Communication command of the other station is not ready. - Not used in LG.
7	Device status of the remote station is not as desired. - Not used in LG.
8	Object user wants is not possible to access.
9	Communication commands of the other station received too many to process. - Not used in LG.
10	Response stand-by time exceeded (Time-out) - Response not received from the other station for a specific period of time.
11	Structure error
12	Abort(only for Mnet) - Disconnected by serious error.
13	Reject(Local/Remote) - Error by disagreeable type to MMS or noise.
14	- Communication channel setting error(Connect/Disconnect) Error related with PI/DOMAIN/GEN service and logical communication channel setting necessary for communication with other company' s communication module. (only for Mini_MAP).
15	Error on HS communication and connection service
33	Parameter distinguisher not found. - Not defined within access parameter area.
34	Wrong address Error on structure assigned in the spec. of communication module/Out of range.
50	Wrong response - Requested response is not received or error occurred on the other station CPU

## Appendix

113	Object access unsupported - Disobedient to VMD specific and symbolic address, or max.data value exceeded.
187	Other error code received than assigned. (Other company' s communication code value) - Other error code received than defined.

### A3.2 STATUS displayed on CPU

Error No. (Decimal)	Description
16	If position of computer communication module is wrongly assigned.
17	Initializing error of communication module installed on SLOT_NO.
18	Input parameter setting error
19	Parameter length error
20	Wrong response received from the other station
21	Response not received from computer communication module (Stand-by time exceeded – Time out)
80	Disconnection error
82	Not received frame (Defined frame not received)
84	Data count error(Number of data used in FB input discordant with or smaller than that of data defined in the frame)
86	No match name(Frame name used in FB input is not on the frame list)
87	Not connected(Channel is not connected)
89	Im TCP Send error(Immediate response error)
90	Im UDP Send error(Immediate response error)
91	Socket error
92	Channel disconnected
93	Basic parameter & frame not set
94	Channel setting error
96	Channel already set
97	Method input error(Incorrect method used in FB input)
101	Channel No. setting error
102	Setting error of the other station (Reset)
103	Connection stand-by
104	Opposite station which has IP as set is not on the network.
105	PASSIVE port of the other station not open.
106	Channel disconnected by stand-by time.
107	Setting number of FB channels exceeded(Number of E_CONN for use exceeded) Setting number of FB channels = 16 - Exclusive connections (Basic parameters of frame editor)
108	Max. TX number exceeded (Since ASCII data = HEX data * 2, the number of ASCII data shall not exceed 1,400 byte)

## Appendix

---

117	Wrong head of frame header in exclusive service ( ' LGIS-GLOFA' )
118	Wrong length of frame header in exclusive service
119	Wrong checksum of frame header in exclusive service
120	Wrong command in exclusive service
121	Domain/PI service requested by unauthorized station in exclusive service (Error occurs if Domain/PI service is requested by the other station when Domain/PI is unavailable in UDP but already used through TCP)