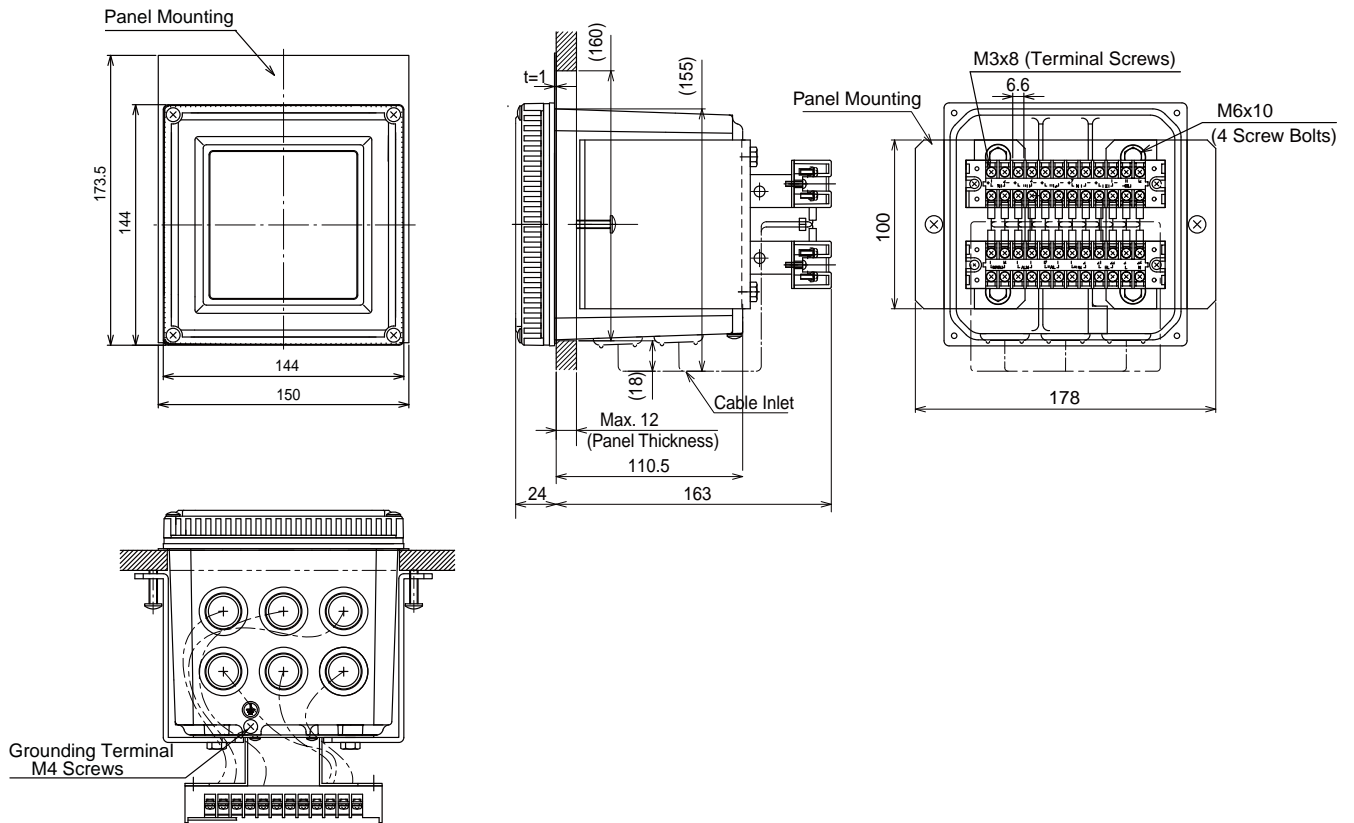


Drawings

GD402G-A-E-E /PA /M1 Gas Density Meter

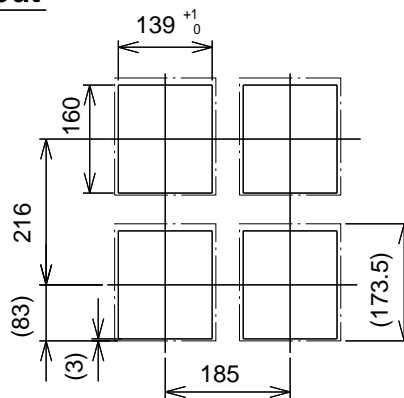
External Dimensions

Unit : mm



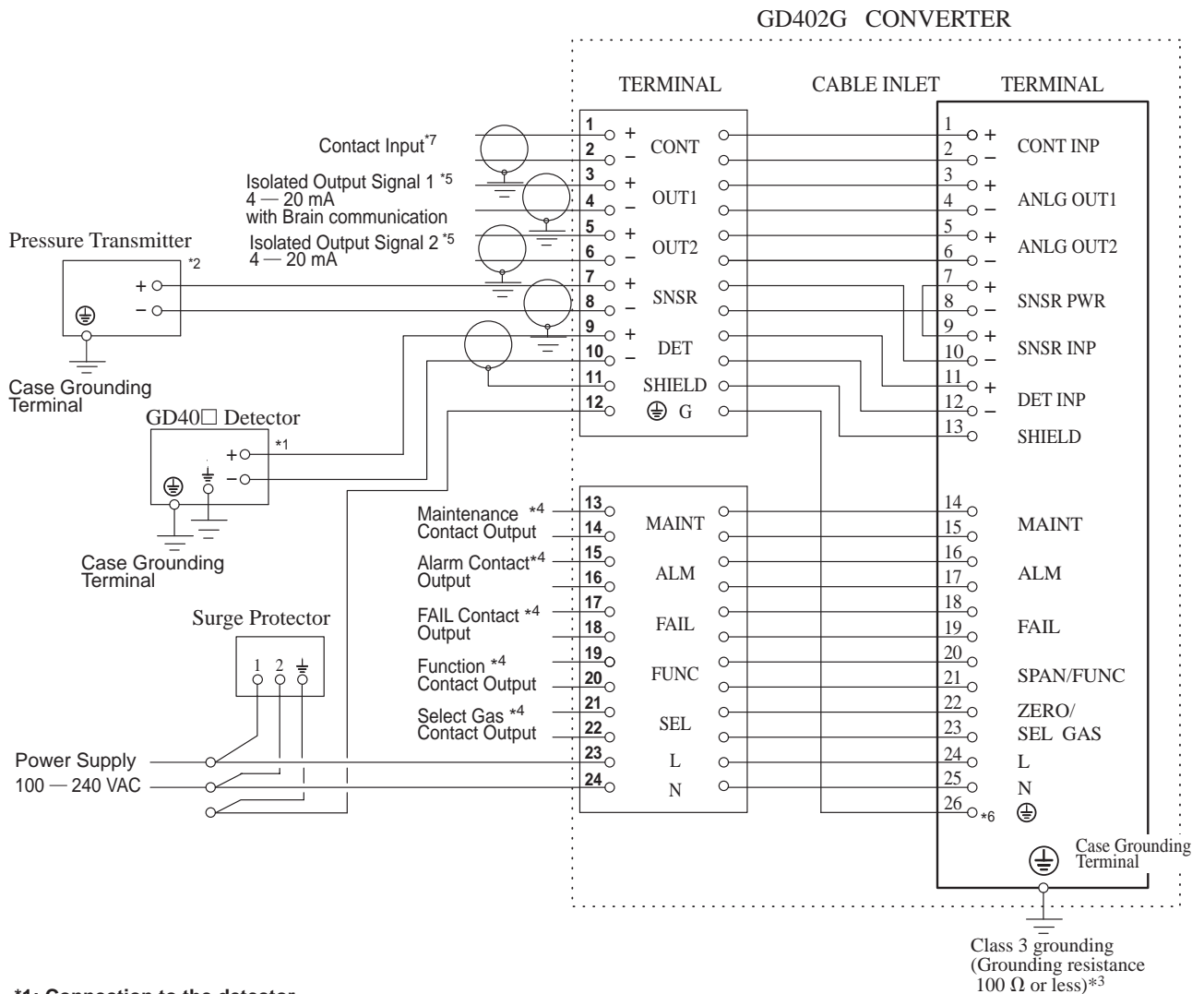
Dimension of Panel Cutout

Unit : mm



Unless otherwise specified, differences in the dimensions are specified as: General tolerance = ±(Criteria of tolerance class IT18 in JIS B0401 - 1986)/ 2

Wiring Diagram



- *1: Connection to the detector**
- Use a two-conductor shielded cable. In addition, the go-and-return resistance must be 50 Ω or less (for conductors with a cross sectional area of 1.25 mm² and a length no greater than 1.4 km).
 - Be sure to ground the two-conductor shielded cable at either end of the shield. If an unusual phenomenon occurs due to noise, increase the countermeasures against noise.
(For example, ground the detector body or use a double-shielded cable. If a double-shielded cable is used, ground shields of each conductor on either side of the cable. Ground the end of the outer shield on the detector side to the case of the detector and connect that end on the converter side to terminal 13.) See the Instruction Manual for more precise instructions on cable installation.
 - Terminal 13 is for the detector only.
- *2: Connection to the pressure transmitter**
- Use a two-conductor shielded cable with an OD of 8.5 to 11 mm. In addition, the go-and-return resistance must be 50 Ω or less (for conductors with a cross sectional area of 1.25 mm² and a length no greater than 1.4 km).
 - Be sure to ground the two-conductor shielded cable at either end of the shield.
- *3: Be sure to ground the case of the converter.**
- *4: The contacts for the contact outputs are all dry contacts whose NO/NC state can be freely set except for the FAIL contact which is an NC contact and cannot be freely set. Their contact rating is 250 V AC, 3 A or 30 V DC, 3 A each.**
- Function contact ; use distinguish between H₂ purity meter and Replacement meter.
 - Select Gas contact ; use distinguish measuring ranges in Replacement meter.
- *5: Use a two-conductor shielded cable. Be sure to ground the two-conductor shielded cable at either end of the shield.**
- *6: Terminal 26 is connected to the case-grounding terminal.**
- *7: For hydrogen purity meter, the contact input is used for range selection.**
 Open: Concentration measurement for air in carbon dioxide
 Close: Concentration measurement for hydrogen in carbon dioxide

NOTE ; The following cable with an OD size between instruments is used.

Instrument	Detector GD40G, R	Pressure transmitter EJA310
Converter		
GD402G Non-Explosion-proof	φ10 to φ12	φ8.5 to φ11

Unless otherwise specified, differences in the dimensions are specified as : General tolerance=(Criteria of tolerance class IT18 in JIS B0401-1986)/2.