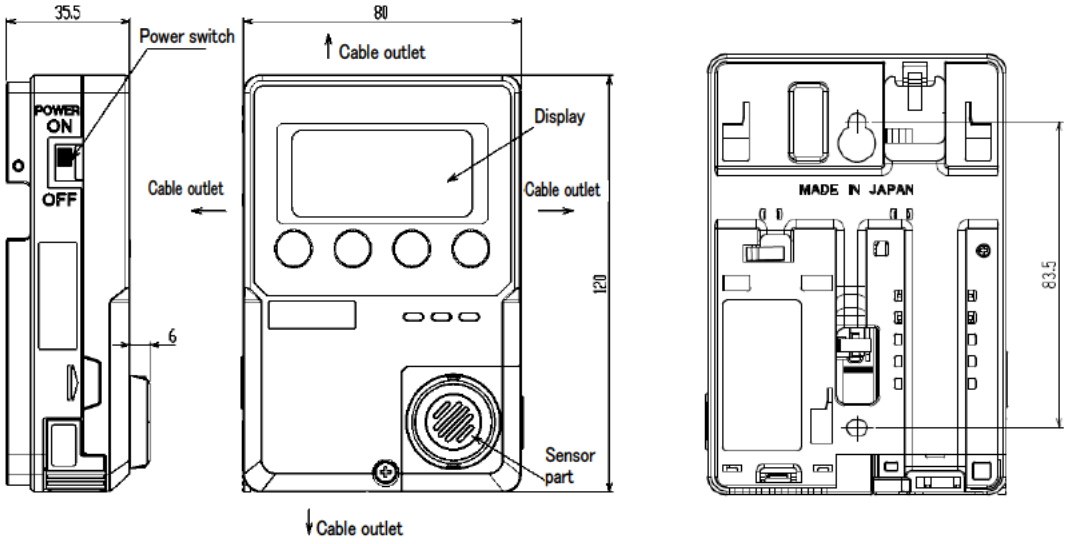
CARBON MONOXIDE MONITOR
EC-600 SPECIFICATION

Detection principle	Electrochemical type
Gas to be detected	Carbon monoxide
Concentration display	LCD digital display (Three-digit, seven-segment/green, orange and red backlight) *No backlight during normal operation for the dry battery type
Detection range	0～150ppm
Display resolution	1ppm
Detection method	Diffusion type
Alarm setpoint	50ppm(1st)/100ppm(2nd)[Standard setting]
Alarm delay time (under the same conditions)	Within 60 seconds after a gas with a concentration 1.6 times higher than the alarm setpoint is introduced
Gas alarm type	Two-step alarm (H-HH)
Gas alarm display	1st: Lights up the concentration display and backlight (orange), buzzer 2nd: Lights up the concentration display and backlight (red), buzzer
Gas alarm pattern※1	Self-latching or non latching (Auto-reset),Lock-in
Gas alarm contact※1	No-voltage contact 1a or 1b and normally de-energized (energized in response to an alarm)
Fault alarm/self diagnosis	System abnormalities/sensor connection abnormalities
Fault alarm display	Alarm detail display and backlight blinking (orange), buzzer
Fault alarm pattern	Non latching (auto-reset)
Contact capacity	125VAC･1A or 30VDC･1A (Resistance load)
Transmission specifications※1	4～20mADC (no-insulation/load resistance under 300Ω) or 0～1VDC (no-insulation) *Only 0～1VDC for the dry battery type
Cable for gas detector head※1	Dedicated cable for remote (3, 5, 10 or 20 m)
Power supply※1	100-120VAC±10% (50/60Hz), 24VDC±10% or AA alkaline dry battery (2pcs.)
Power consumption	AC specification: Max. 5VA DC specification: Max. 3W
Dry battery Continuous operating time	Approx.1 year(25℃, no alarm and no lighting) *When using two AA alkaline dry batteries
Initial clear	Approx. 25 seconds
Operating temperatures	-10～40°C (at a constant condition)
Operating humidities	Below 90%RH (Non-condensing)
Structure※1	Wall mounting type, sensor integrated type or remote type
Outline dimensions	Main unit: Approx. 80(W)x120(H)x 35.5(D)mm Remote sensor: Approx. 40(W)x96(H)x35.5(D)mm (projection portions excluded)
Weight	AC specification: Approx. 200g DC specification: Approx. 180g Dry battery type: Approx. 230g Remote sensor part: Approx. 55g (cable excluded)

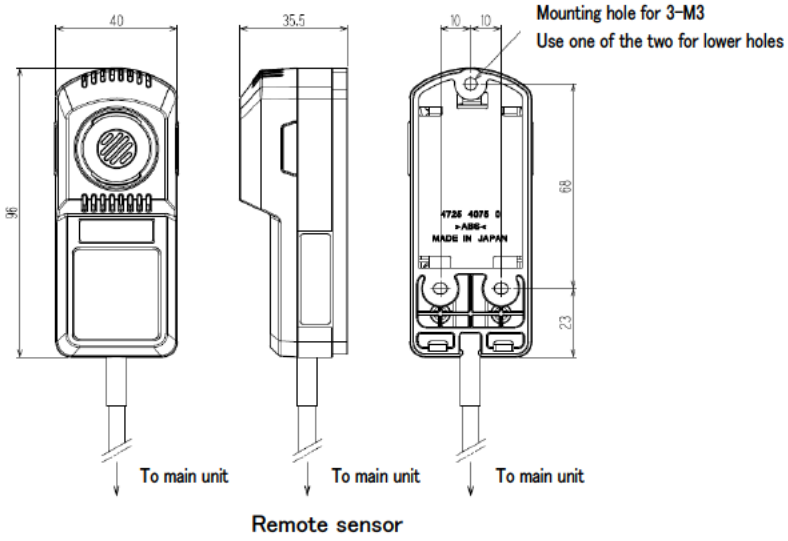
※1 Please specify your request when ordering.

Outline Drawings

<Main body>

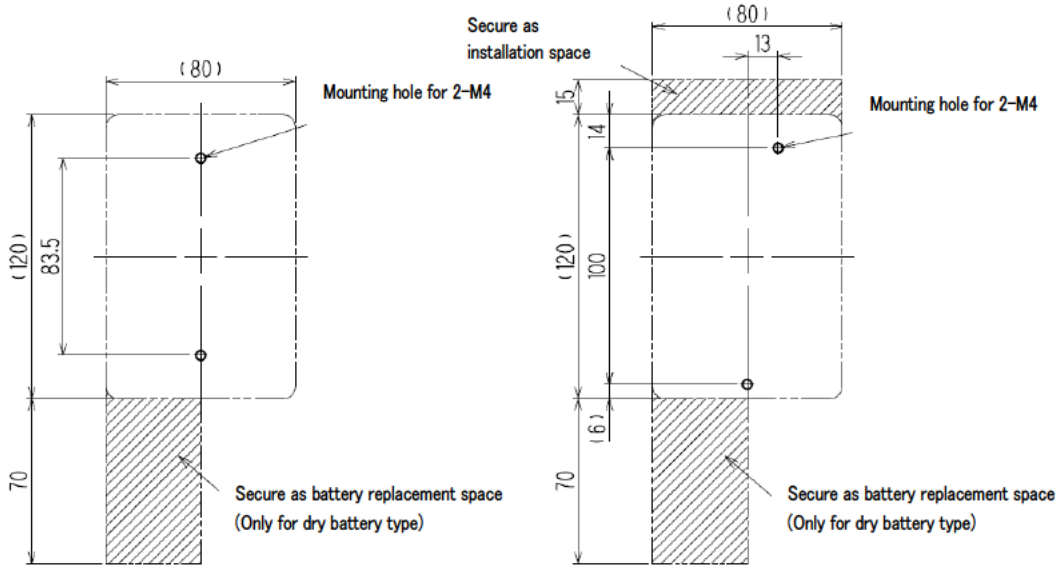


<Remote sensor>



Remote sensor

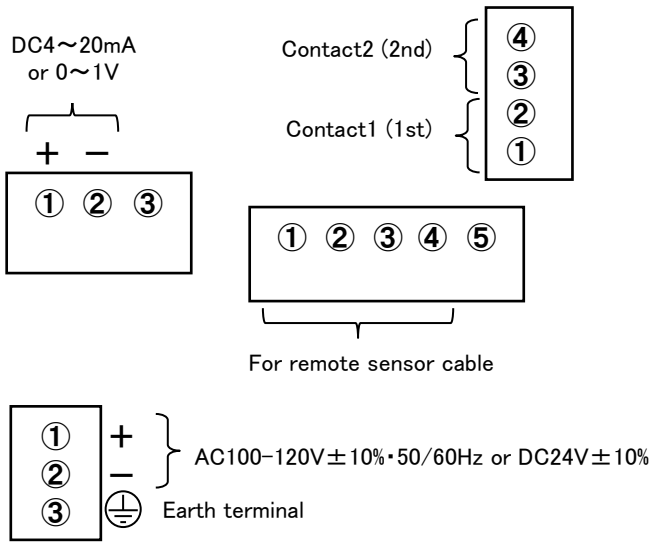
Installation dimension drawing



Installation dimension drawing (Installation board not used)
Compatible with JIS single switch box

Installation dimension drawing (Installation board used)

Terminal Drawings



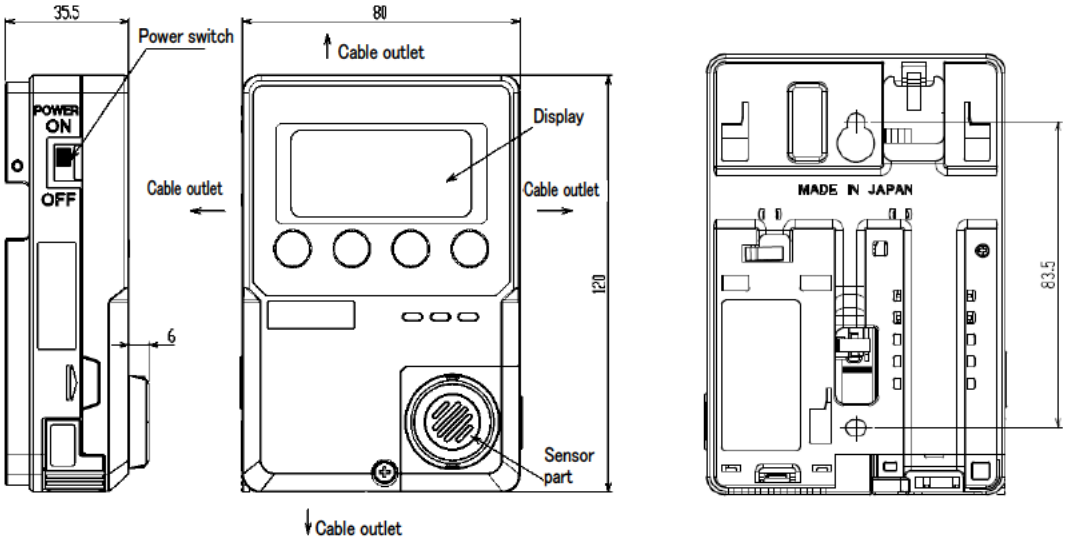
CARBON MONOXIDE MONITOR
EC-600(with backup power) SPECIFICATION

Detection principle	Electrochemical type
Gas to be detected	Carbon monoxide
Concentration display	LCD digital display (Three-digit, seven-segment/green, orange and red backlight)
Detection range	0～150ppm
Display resolution	1ppm
Detection method	Diffusion type
Alarm setpoint	50ppm(1st)/100ppm(2nd)[Standard setting]
Alarm delay time (under the same conditions)	Within 60 seconds after a gas with a concentration 1.6 times higher than the alarm setpoint is introduced
Gas alarm type	Two-step alarm (H-HH)
Gas alarm display	1st: Lights up the concentration display and backlight (orange), buzzer 2nd: Lights up the concentration display and backlight (red), buzzer
Gas alarm pattern※1	Self-latching or non latching (Auto-reset),Lock-in
Gas alarm contact※1	No-voltage contact 1a or 1b and normally de-energized (energized in response to an alarm)
Fault alarm/self diagnosis	System abnormalities/sensor connection abnormalities
Fault alarm display	Alarm detail display and backlight blinking (red), buzzer
Fault alarm pattern	Non latching (auto-reset)
Contact capacity	125VAC·1A or 30VDC·1A (Resistance load)
Transmission specifications ※1	4～20mADC (no-insulation/load resistance under 300Ω) or 0～1VDC (no-insulation)
Cable for gas detector head※1	Dedicated cable for remote (3, 5, 10 or 20 m)
Power cable	Power cable with AC adaptor (approx. 3.6 m)
Power supply	100-120VAC±10% (50/60Hz)
Power consumption	Max. 5VA
Backup power operating time	Approx. 4 hours(25℃, no alarm and no lighting)
Initial clear	Approx. 25 seconds
Operating temperatures	-10～40°C (at a constant condition)
Operating humidities	Below 90%RH (Non-condensing)
Structure※1	Wall mounting type, sensor integrated type or remote type
Outline dimensions	Main unit: Approx. 80(W)x120(H)x 35.5(D)mm Remote sensor: Approx. 40(W)x96(H)x35.5(D)mm (projection portions excluded) AC adaptor: Approx.49.8(W)×26.3(H)×68.2(D)mm
Weight	Main unit: Approx. 200g Remote sensor part: Approx. 55g (cable excluded) AC adaptor: Approx. 82g(cable included)

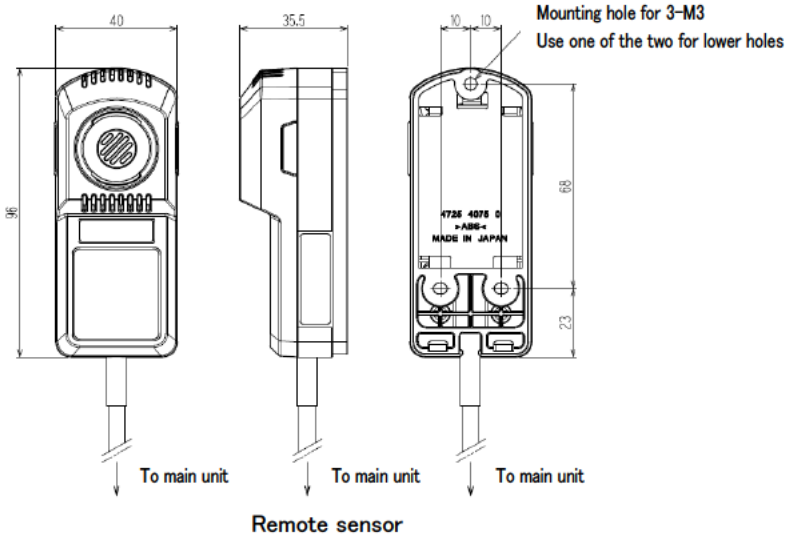
※1 Please specify your request when ordering.

Outline Drawings

<Main body>

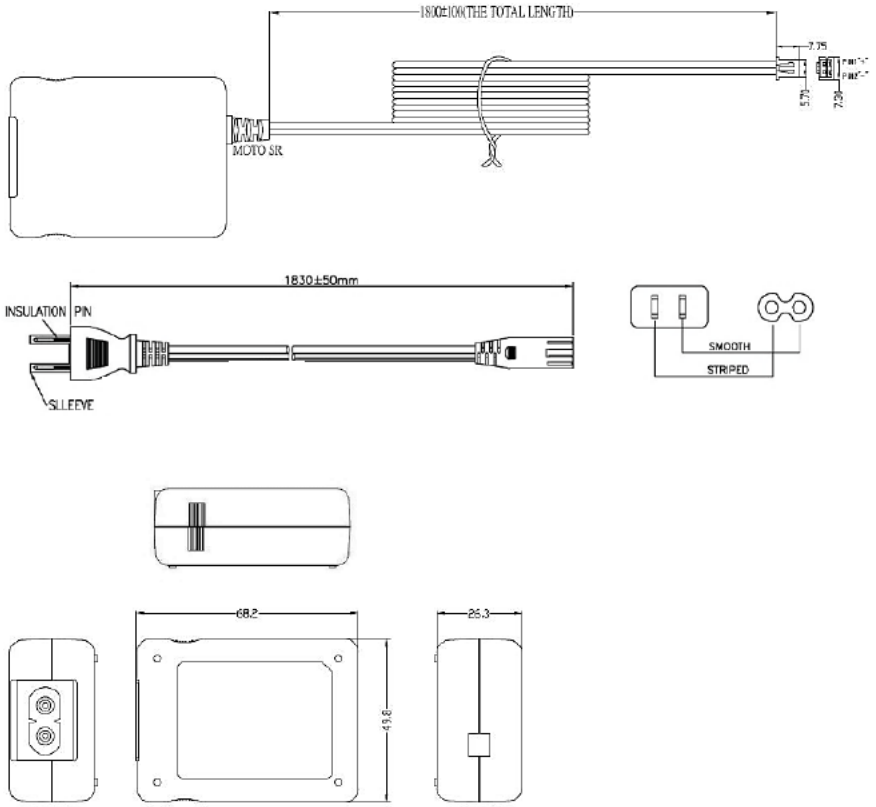


<Remote sensor>

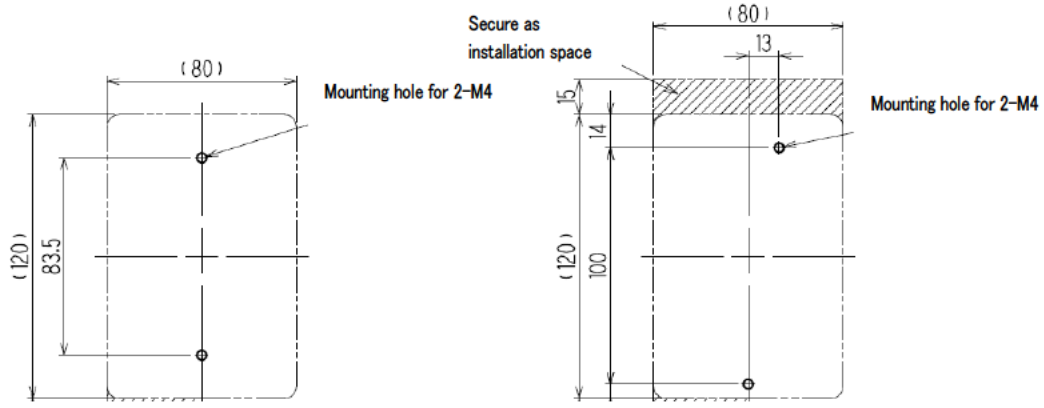
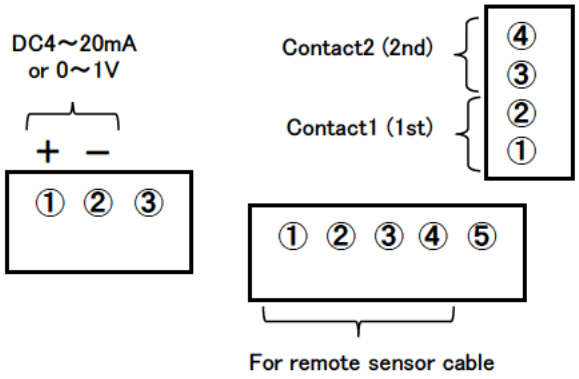


Remote sensor

Power cable with AC adaptor



Installation dimension drawing



Terminal Drawings