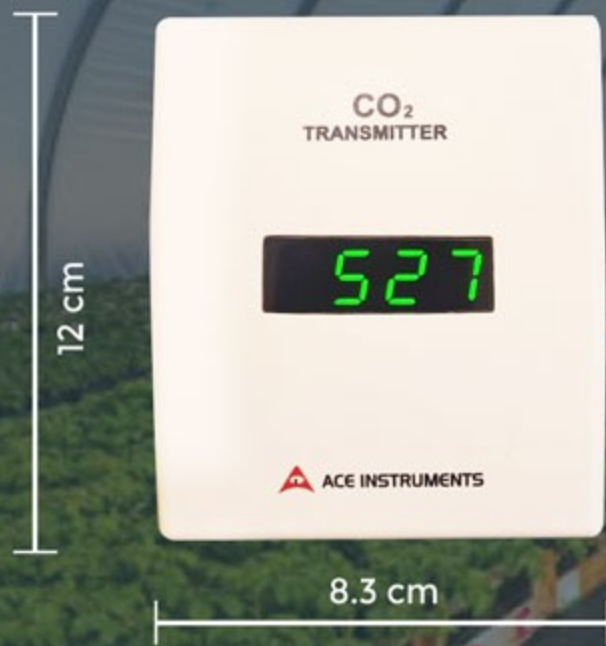


Carbon Dioxide Transmitter

(Continuous Online Monitoring System)



Ace AI-CO₂ Series Carbon Dioxide Transmitter accurately measures the Carbon Dioxide concentration levels in HVAC, Store rooms, Testing Environments, Office Buildings, Schools, Green houses and other Indoor Environments. This single-beam dual-wavelength NDIR sensor has increased sensor life so that it automatically corrects the measurements in both occupied and unoccupied buildings against aging effects. Ace Carbon Dioxide transmitter can be used for air monitoring of supply, exhaust and return air in critical environment



WITHOUT
DISPLAY MODEL

Features :

- High-performance NDIR sensors and circuits ensure accurate measurement
- Analog 4-20mA/ 0-10 VDC Selectable Output
- 0 to 2000 PPM Range Standard. (Also available 0 to 5000/10000 PPM)
- Long term stability and reliability
- >10 Years Sensor Life
- Digital technology applied, over-voltage and reverse polarity protection, high reliability and interference capability
- Fast Sensor Response
- High protection rate up to IP65
- Available in display and without Display



HVAC



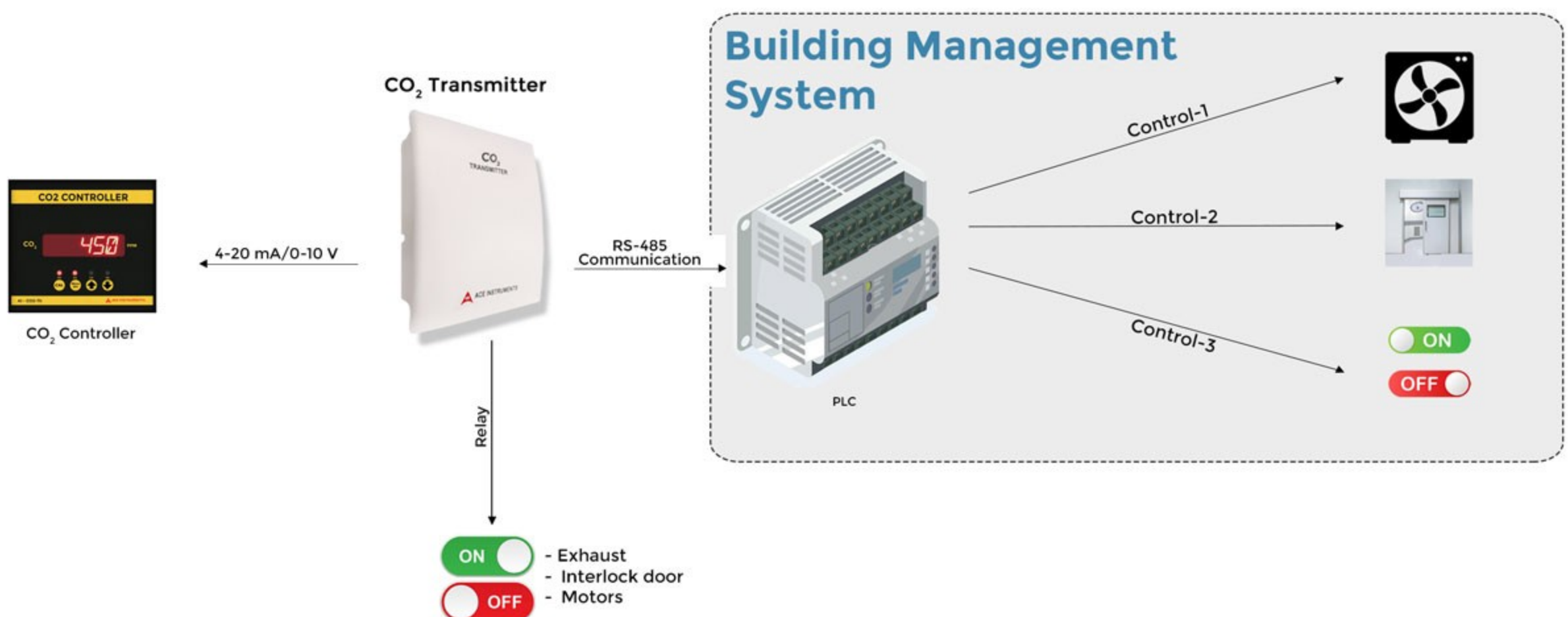
GreenHouse



Landfill Gas



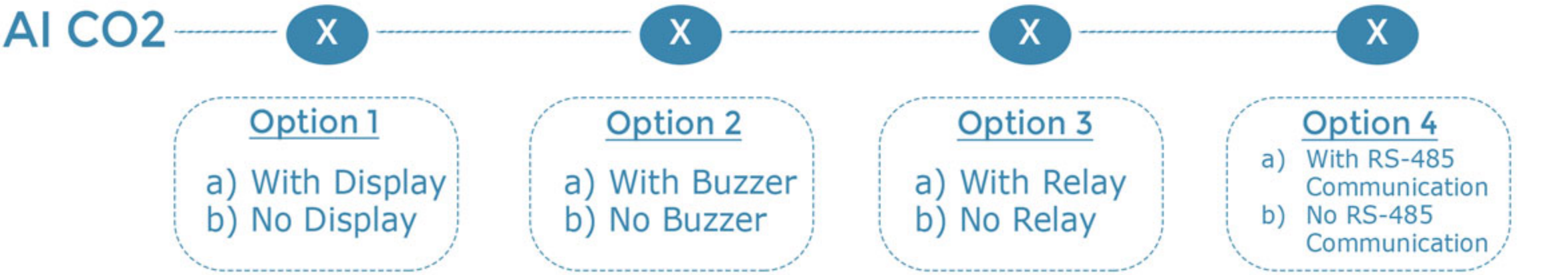
Marine Vessels



Technical Specifications

Model No	AI-CO2 Series (Choose model number from ordering info)
Measuring Parameters	Carbon Dioxide : 0 to 2000 ppm, 0 to 5000 ppm, 0 to 10000 ppm
Accuracy	+/- 3% full scale
Sensor Type	Single light source, dual wave length NDIR sensor. works in inert atmosphere even without presence of Oxygen
Display	Option 1 : Without Display Option 2 : With LED Display
Operating Temperature	-10 to 60°C
Communication	(optional) Isolated RS 485 Modbus Protocol communication
Warm up Time	<2 Minutes (optional) / 10 minutes max. accuracy
Response Time	< 10 Sec
Output	0-10 VDC / 4-20 mA , field selectable
Output Load Regulation	> 2K Ω (voltage), 500 Ω (current)
Relay	Optional 1 No Relay output (NO / NC)
Alarm Buzzer	Optional Inbuilt Buzzer Low Level or High Level Alarm
Power Supply	24 VDC, 250 mA
Housing material	ABS Plastic wall mounting Enclosure
Warranty	12 Months Manufacturing Warranty
Weight	<300 Grams
Manufacturer	Ace Instruments

AI-CO2 Ordering Information



Clean Rooms | Pharma | Hospital | HVAC | BulkDrugs | Chemicals | Heavy Machinery
Hydraulics & Vacuum Industry | Green House | Server Room | Confined Space | Cold Storage