



Datasheet for Models:

8LLDCO

8LLCO



Developed for quick and simple installation by non-electricians, TenYCO is the first range of battery CO alarms guaranteed for 10 years – including ultra long-life batteries. They are self-contained, state of the art carbon monoxide alarms specially designed for quick installation by social housing and other landlords' maintenance teams, heating and plumbing installers and other building trades.



BS EN 50291: 2010
Licence No. KM98848

10-year Guaranteed Sealed-in Battery CO Alarms

8LLDCO – with digital display and Peak Level feature

8LLCO – non-digital model

Key Features

- 10 year lifetime guarantee on both alarm and integral batteries for low cost of ownership and Best Value
- Suitable for tamper-resistant wall-mounting or freestanding use
- Two top quality, ultra long-life FDK (Fuji) lithium batteries activated automatically at installation by fitting base-plate and optimised by 'anti-passivation' software
- Tamper resisting, self-locking installation system using separate base-plate with concealed wall fixings
- Checks the environment for CO once every second – much shorter intervals than competing products
- Conformal wax coating protects critical electronics in damp properties
- Digital display model provides early warning of intermittent and low levels of carbon monoxide with Peak Level button to help identify CO problems when the property is unoccupied
- Kidde's own CO sensors have unrivalled long-term testing regime demonstrating excellent stability over time – with third party validation
- CO cells use safer and environmentally friendly de-ionised water electrolyte.

Applications

CO alarms are essential to protect occupants from carbon monoxide and meet housing providers' responsibilities. Increasingly, they are also an important consideration for anyone working on housing to meet requirements of Building Regulations, the Green Deal and other safety regulations. The TenYCO range has been designed specifically to meet all these demands in all residential situations, including individual dwellings, park homes, holiday lets and student accommodation.



Models 8LLDCO and 8LLCO

10-year Guaranteed Sealed-in Battery CO Alarms

Technical Specification

| | |
|------------------------------------|--|
| Sensor | Electrochemical with de-ionised water electrolyte, sampling once every second. Manufactured by Kidde |
| Temperature | Battery Temperature Range: -20°C to +85°C Storage & Transport Range: -20°C to +60°C |
| Humidity | Operating range: 30% - 90% non-condensing |
| Audible Alarm | 85+ dB at 1 metre @ 3.4±0.5 KHz pulsing alarm |
| Power | Two sealed-in FDK (Fuji) lithium batteries, each with 2300 mAh capacity, activated by first fitting of back plate |
| Installation | Either onto wall-mounted base-plate or free standing (with base-plate fitted) |
| Tamper Resistance | Alarm locks onto wall-mounted base-plate, with retaining latch and locking tab, concealing secure screw fixings |
| Test/Reset Button | Yes |
| End of Life Warning | Yes |
| Alarm Response Times | 30 PPM = no alarm within 120 minutes 50 PPM = must alarm within 60-90 minutes 100 PPM = must alarm within 10-40 minutes 300 PPM = must alarm within 3 minutes |
| Dimensions | 120mm x 72mm x 38mm depth Base plate – 96mm x 60mm Weight – 155g |
| Guarantee | 10 years including sealed-in batteries |
| Approvals | Kitemarked to BS EN 50291:2010 (Licence no. KM98848) |
| Pack Contents | Each alarm is supplied with: separate base-plate, fixings and screws, and comprehensive Owner's Manual with fixing and siting instructions (also downloadable as a PDF from our website). |
| Model Numbers | 8LLDCO – digital readout 8LLCO – non-digital |
| Peak Level Memory | Yes – on Model 8LLDCO |
| Accuracy of Digital Display | (Model 8LLDCO only) 30-999 PPM +/-30% when measured in conditions of 80°F (+/-10°F), atmospheric pressure +/-10% and 40% +/-3% relative humidity. Display readings may vary slightly depending on changes in ambient condition (temperature, humidity) and the condition of the sensor. Display updated every 5 seconds. |

Typical Specification

TenYCO self-contained carbon monoxide alarm for wall-mounting or free-standing, Model 8LLDCO with digital display [or Model 8LLCO], manufactured by Kidde Fyrnetics. The alarm to be powered by 2 sealed-in Fuji lithium batteries, each with 2300 mAh capacity, and be activated by first-fixing of the back-plate. The alarm shall comply with BS EN 50291:2010 and be BSi Kitemarked. The alarm and batteries to be fully guaranteed for 10 years. The alarm shall have an electrochemical sensor sampling the environment for CO once every second and conformal wax coating protecting critical electronics. The alarm shall have a tamper resisting, self-locking installation system.



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Kidde reserves the right to alter its products and specifications without notice in line with best practice and continuous improvement.