INDUSTRIAL SIGNALING · EXPLOSION-PROOF

TCM-BBJ304

3 Color Beacon Sounder

Red, yellow and green LED signal with a 90 dB buzzer in an explosion-proof housing.



3 Color R · Y · G LED | **90 dB** Built-in buzzer | **Ex-proof** Ex ib IIC T6 | **IP65** Water & dust | **Voltage** 12 / 24 / 220 V | **10 W** LED power

DESCRIPTION

The TCM-BBJ304 is an explosion-proof three-color beacon sounder that combines red, yellow and green LED signal tiers with a 90 dB buzzer in one unit. Each tier uses 12 high-brightness SMD LEDs behind a clear dome protected by a wire guard, and the red explosion-proof housing is rated Ex ib IIC T6 and IP65 for chemical plants, fuel depots, warehouses and other hazardous or outdoor areas. Available in 12 V, 24 V and 220 V versions, it connects directly to PLC or relay outputs, including the Techma TCM-N52 series network I/O controllers, to signal status, warnings and alarms.

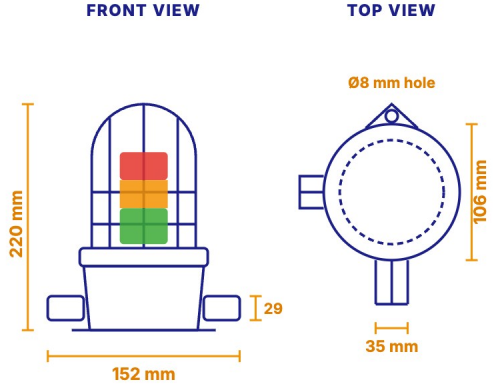
FEATURE

- 3 color tiers: red, yellow and green
- Built-in 90 dB buzzer, sound + light alarm
- 12 SMD LEDs per tier, energy-saving
- Explosion-proof Ex ib IIC T6, IP65
- Wire guard against impact and falls
- 12 V, 24 V or 220 V versions
- Wall mounting with Ø8 mm fixing holes

SPECIFICATION

MODEL	TCM-BBJ304
Light Colors	Red, yellow, green (3 tiers)
Light Source	SMD LED, 12 beads per tier
Sound Output	Buzzer, 90 dB
Working Mode	LED light signal + buzzer sound
Operating Voltage	12 VDC / 24 VDC / 220 VAC (per version)
Power	10 W
MTBF	100,000 hours
Explosion Protection	Ex ib IIC T6
Ingress Protection	IP65, waterproof and dustproof
Housing	Red explosion-proof enclosure
Lens / Guard	Clear dome with wire guard
Cable Entry	Side cable gland
Mounting	Wall / surface, Ø8 mm fixing holes
Dimension	152 × 220 mm (W × H)
Net Weight	Approx. 1.3 kg

DIMENSION



Net weight approx. 1.3 kg · dimensions in mm
Small deviations may occur between production batches

Drive each color and the buzzer from a PLC or relay output, such as the Techma TCM-N52 series network I/O controllers.

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