ELECTRONIC FLASHER

COMPLIANCE STANDARD
ISO 13207-1 ; ISO 4082
The use of many lamps vehicles with LED technology or both bulb/LED lamps brought out the problem of light failure signaling required by the ECE-R48 Standard.

The current intermittences realized according to the ISO 4082 Standard are not able to recognize the failure of a LED lamp due to the low electrical load. In order to comply with the ECE-R48 Standard it is therefore necessary to resort to additional loads that simulate the bulb lamp with consequent complication of the machine’s system.

In order to solve this problem in a simple way, COBO has developed a range of intermittences, according to both the Standard 4082 and the ISO 13207-1 Standard, which joins the standard range and allows the use of:

- All ISO 13207-1 LED headlamps, COBO offers various versions
- All bulb headlamps
- A mix of the two technologies

Hereinafter are some examples of possible options:

- 4 + 4 LED turn signals compliant with ISO 13207 Standard + 3 LED/bulb warning lights of 12V+1,2W
- 4 + 4 Bulb indicators 12V+21W + 3 LED/bulb warning light of 12V+1,2W
- Combination of LED direction indicators compliant with ISO 13207 Standard and Bulb direction indicators of 12V+21W (for a total of 4 indicators per side) + 3 LED/bulb warning lights of 12V+1,2W

Example:
- Tractor: 4 LED turn signals
- Trailer: 4 Bulb direction indicators
LED LAMPS
COMPLIANCE STANDARD
ISO 13207-1
**ELECTRONIC FLASHER**

**COMPLIANCE STANDARD**

**ISO 13207-1 ; ISO 4082**

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- **Alimentazione:** 10.5 - 16V
- **Inversione di polarità:** protetto
- **Assorbimento di corrente:** <20mA
- **Corrente nominale:** (2+1+1) x 21W per ramo; Warning 8 x 21W o fanali a LED conformi alla ISO 13207-1
- **Frequenza di lampeggio:** 1 - 2 Hz
- **Grado di protezione:** IP66
- **Temperatura di funzionamento:** -30°C ÷ +85°C
- **Compatibilità elettromagnetica (EMC):** ECE R10 rev.05
- **International Standard:** ISO 13207-1 ; ISO 4082

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**versione ISO 13207-1**

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**versione ISO 4082**

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**Sealing degree** IP66

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**Elettromeccanica**

**Electromechanical**
versione ISO 13207-1
ISO 13207-1 version

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versione ISO 4082
ISO 4082 version

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ISO 4082 version

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Grado di protezione
Sealing degree

SCHEMA DI COLLEGAMENTO
Circuit diagram

versione ISO 4082
ISO 4082 version

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IP64
IP66
Le informazioni contenute nella presente informativa hanno scopo puramente indicativo. 
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