

## Technical instructions for mounting light fittings POINTER-N-I

The POINTER-N-I is a dust-proof and water-proof fitting suitable for use in both indoor and outdoor applications where a risk of explosion is present.

### Mounting:

1. Remove fitting from cardboard carton.
2. Remove diffuser and reflector from housing by releasing retaining clips.
3. Install glands and plugs in to provided entries in housing.
4. Mount provided brackets to ceiling or wall and push housing securely in to place (See picture 1 below).  
A self-locking cable suspender can be provided as an optional extra if necessary (See picture 2 below).
5. Pull supply cable through cable gland and tighten as necessary. Provided gland will suit flexible cable from 7.5-12mm outside diameter.
6. Hang reflector on plastic suspenders to allow wiring access.
7. Connect supply cable to provided terminal block:

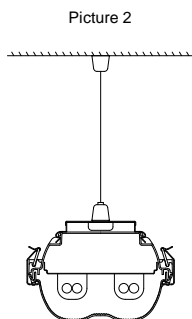
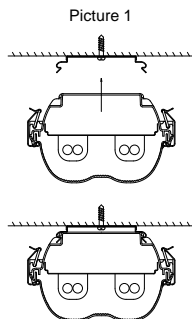
### POINTER-N-I

**Terminal L1 - phase wire**  
**Terminal N - neutral wire**  
**Terminal ⊕ - earth wire**

It is recommended to strip the cable insulation back by 8–9mm before wiring in to terminal block.

Each terminal block connection point is permitted to receive two cables between 0.5–2.5mm<sup>2</sup>.

8. Install reflector in housing and secure in place with the two plastic twist-bolts.
9. Install suitable lamp (not provided) and twist in to operation position.
10. Offer diffuser to housing and fasten with steel locking clips. Please ensure that seal is engaged correctly.



## Technical instruction for operation and maintenance of light fittings POINTER-N-I

### 1. Application

The light fitting can be used in areas with danger of explosion:

	Marking of external influences	Area classification	
		Marking	Norm
Danger of inflammable dust explosion	BE3N1	ZONE 22	ČSN EN 50 281-1-2:1999
danger of inflammable gas and vapour explosion	BE3N2	ZONE 2	ČSN EN 60 079-10:1997 ČSN EN 60 079-14:1997
Danger of fair or danger of explosive substances explosion	BE3N3	V1, V2, V3	ČSN 33 2340:1980

The light fitting is designed for use in ambient temperatures from –20°C to +40°C.

### 2. Operation and maintenance instructions:

- The fittings for above mentioned areas are used in accordance with valid norms ČSN EN:
- The fitting can not be opened whilst live.
- Free holes for supply cables that are not used for cable glands must be closed by sealing plugs (M20).
- In explosive atmospheres, the fitting can be cleaned with a wet towel, whilst cleaners must be grounded.
- The POINTER-N-I light fitting can be linked using a single phase through-wiring connection method. Maximum permitted number of light fittings is mentioned in below chart.
- Recommended protection of fittings with through-wiring connection is by circuit breaker, type B, 10A.

### 3. FTZU – SZ 210, Ostrava-Radvanice, issued the following certificates on appliances of below mentioned types:

- a) Certificate type FTZU 02 ATEX 0144 dated 31.5.2002
- b) Standpoint of state accredited testing laboratory No. 03/0023 dated 26.2.2003 conditions of use and installation in locations with danger of fire and explosion V1, V2, V3.

### Marking of individual light fitting types:

POINTER-N-I-PC-WR ..... Ⓔ II 3GD T87°C; EEx nA II T4  
POINTER-N-I-PC-WR-EP ..... Ⓔ II 3GD T87°C; EEx nA II T4

Maximum admissible number of POINTER-N-I fitting with one phase through-wiring connection:

POINTER-N-I, uncompensated		POINTER-N-I-EP, electronic ballast	
2x11W	31	2x11W	40

