



COMPONENTS FOR JUNCTION BOXES



IP2X-IK08

Class 2

ADVANTAGES

Lighting continuity by isolating the faulty lamppost without turning off the entire row.

Limited maintenance costs in the event of temporary faults thanks to the automatic reset function.

Energy savings: illuminations switched off at off-peak hours (version T2).

TECHNICAL CHARACTERISTICS

Polyamide housing, self-extinguishing

- IP2X.
- Rated voltage: 230 V – 50/60 Hz.
- Temperature: -25°C to +60°C.
- Lifespan: 100,000 full-load operating cycles.
- Pre-wired connection.

APAVE test report: compliance with all requirements of guide UTE C17-210

Reset cycles

- Street light standard: 10 sec, 2 min, 1 hour.
- Options:
VDP: 20 sec, 1 min, 3 min.
OR: the following day when switching the power back on. For other cycles, please contact us.

IDIL: Automatic Disconnection Device (ADD)



Idil primarily guarantees lighting continuity for a row of lamps should one be affected by a temporary earthing fault.

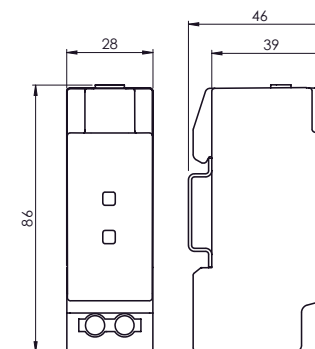
It is covered in guide UTE NF C17-210 intended for street lighting.

Automatic reset helps maintain lighting continuity in the event of a temporary fault.

The Idil-T2 version helps generate energy savings on illuminations during night-time off-peak periods by automatically stopping and restarting the illuminations at fixed times.

2 LED indicators

- Green only on: energised, contacts closed.
- Green and red on together: fault detected, contacts open.
- Tempo option: red LED flashes when power switched on.



OPERATION

Idil is automatically activated when the installation is switched on.

Idil trips immediately in the event of an earthing fault.

After breaking, Idil makes 3 preprogrammed reset attempts.

Standard or specific programmings on request.

If the fault persists after the 3rd attempt: total break overnight.

Switching the installation back on will reinitialise Idil.

WIRING

Protection: always combined with an isolation and overcurrent and short circuit protection device. Protection against indirect contact must be provided via a selective RCD placed at the head of the power supply circuit.

For Class 1 lighting fixtures: the standard recommends using an ADD (Idil) with automatic reset in each fixture, or an RCD (without automatic reset). This ADD ensures selectivity with the RCD at the start of the circuit, to allow lighting continuity in the event of a fault.

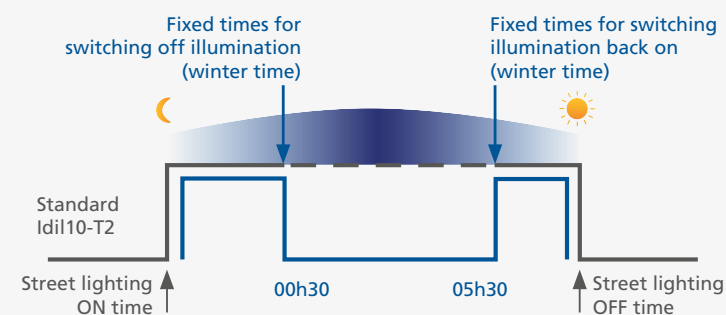
For temporary illuminations: Idil can be used on fixed installations that are not accessible to the public (connection to a terminal block in a junction box). Protection using a 30 mA RCD is recommended in the event of connection via non-fixed connectors (socket or illumination connector), or if the installation is accessible to the public (height less than 3 m aboveground or less than 1 m horizontally from a balcony, terrace or any point accessible to the public): guide UTE C17-202.

ENERGY SAVING FUNCTION

The Idil-10 T2 version makes it possible to autonomously switch off the illuminations at night.

As standard (T2), the fixed times for switching the illumination off and back on (winter times) are programmed in the factory using the geographical coordinates of the site.

The function can be inhibited on site to save energy.



OTHER TECHNICAL CHARACTERISTICS

	Idil10-OR	Idil10	Idil10-T2
Rated current	6 A		
Reset	Without reset	SL & VDP	SL & VDP
Energy savings	-	-	Yes
Rated power ($\cos\phi = 1$)	1,380 W		
Sensitivity	30 mA - 100 mA - 300 mA		
Associated Fuse Switch Disconnecter	6 A		
Approved supply voltage	200 V _{AC} - 255 V _{AC}		
Power consumption	< 1.2 W		
Trip time	< 40 ms		