

ERRATUM

to the User's Manual of NBV series direct radiation UV-C germicidal lamps

In case of special version type germicidal lamps NBV 55, in User's Manual there are following changes:

2. Technical data

Lamp type	NBV 55
Supply voltage	230 V, 50 Hz
Power consumption	55 W
Type of the UV-C bulb	TUV 55 W or HNS 55 W
Useful lifetime of the bulb	min. 8000 h
UV-C irradiance at a 1m distance	2,9 W/ m ²
Protection class against electric shock	I
Housing protection degree	IP 20
Mode of operation	Continuous
Dimensions [mm]	
Dome	960 x 85 x 135
Wall lamp handle length	120
Ceiling lamp extension arm length	500
Mobile lamp stand height	1800
Weight [kg]	
N type	3,4
S type	4,5
P type	8,5

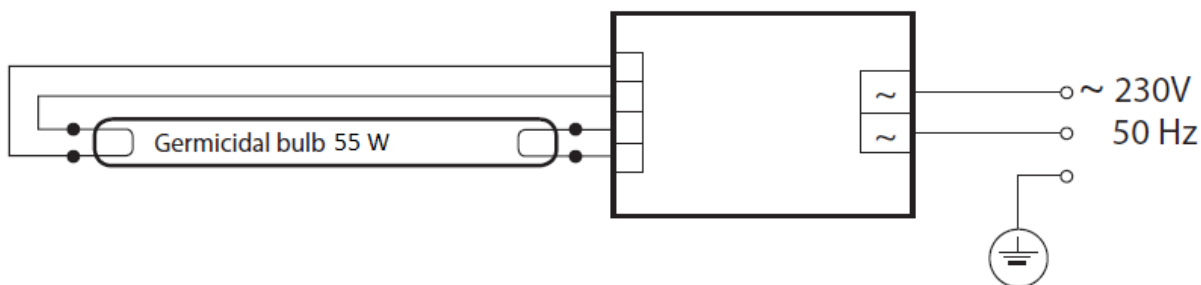
5. Selection of the number of lamps for a particular room and working time

From the practical point of view, we may assume that a satisfactory microbiological purity level shall be obtained when using:

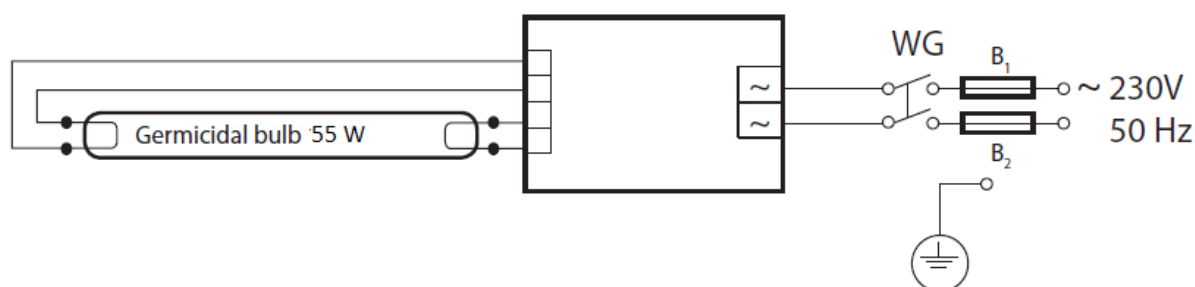
- a 55 W lamp for the area of up to 18 m² in a 2.5 – 3 m high room, in room conditions.

14. Circuit diagrams

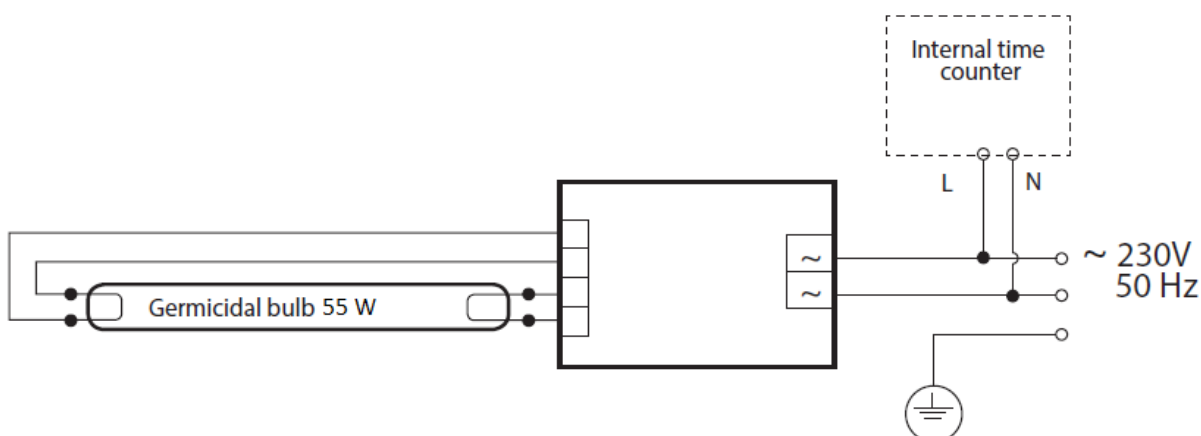
14.1. Connection diagram of the NBV 55 N/S germicidal lamps



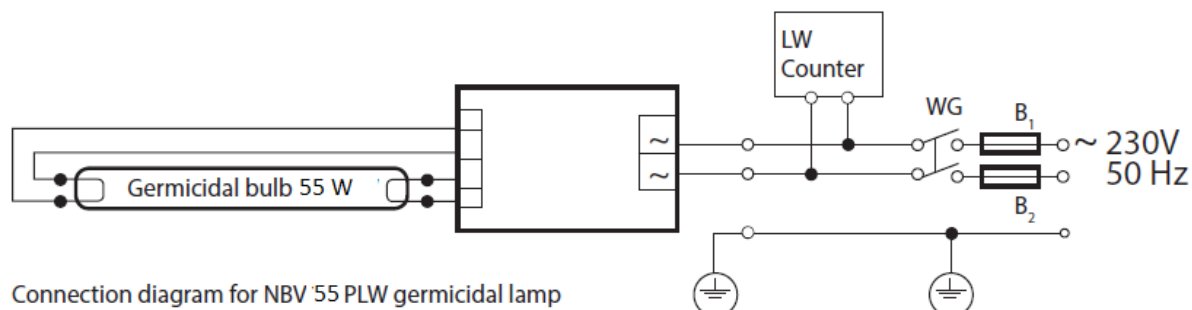
14.2. Connection diagram of the NBV 55 P germicidal lamps



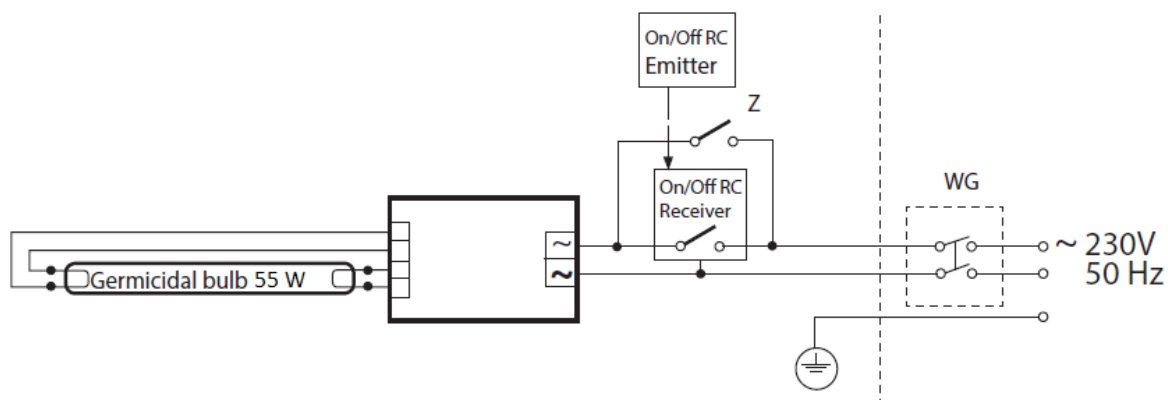
14.5. Connection diagram of the NBV germicidal lamp with internal time counter



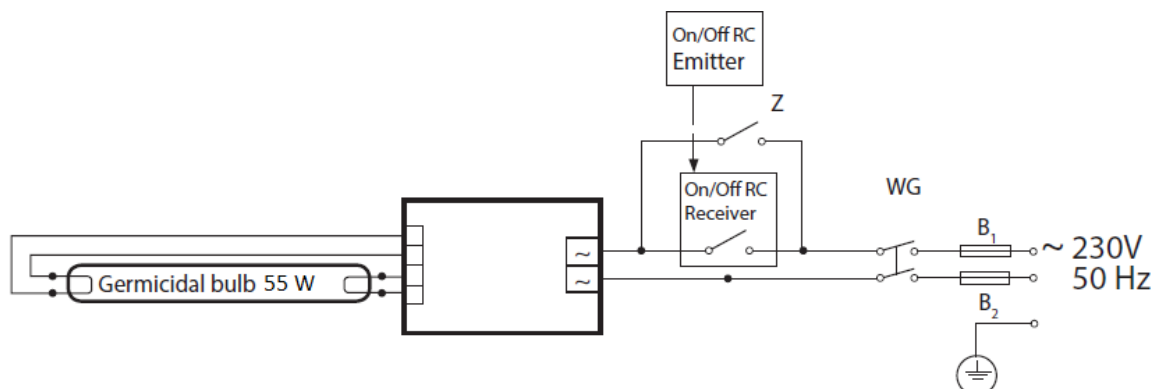
14.6. Connection diagram of the NBV 55 P germicidal lamp with external time counter LW



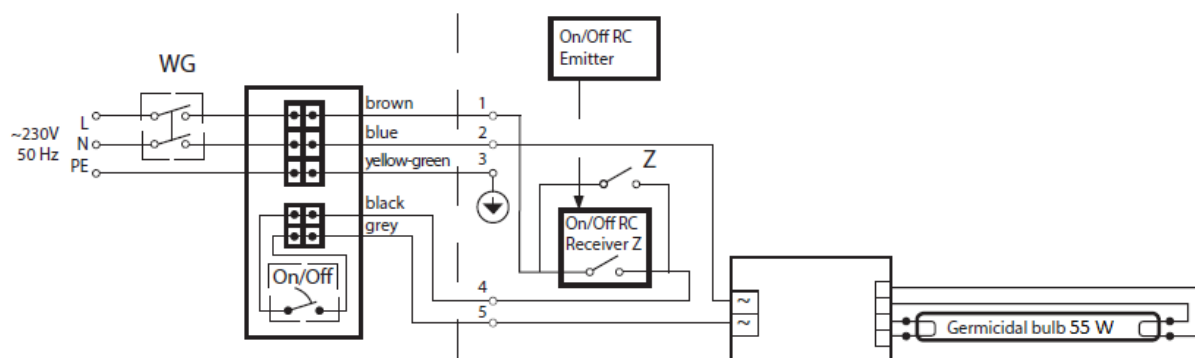
14.7. Connection diagram of the NBV 55 N/S RC germicidal lamp



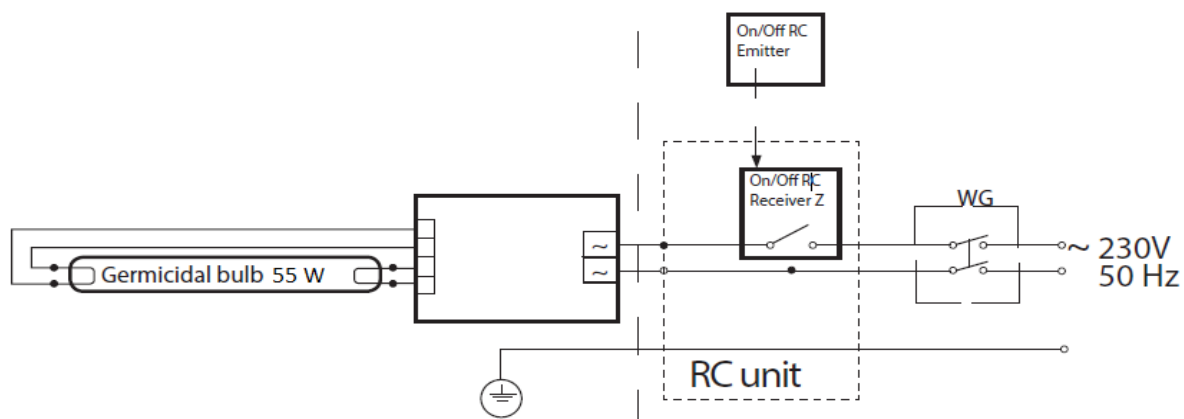
14.8. Connection diagram of the NBV 55 P RC germicidal lamp



14.9. Connection diagram of the NBV 55 S/N RC MD germicidal lamp



14.10. Connection diagram of the NBV 55 S/N germicidal lamp with external ON/OFF remote control unit





The undersigned company:

ULTRA – VIOL Sp. j. Pietras Purgał Wójcik
ul. Stępowizna 34; 95-100 Zgierz,

declares that the **germicidal lamps, special version type:**

NBV 55 N; NBV 3x30 P;

in realization: **N** – wall mounted, **S** – ceiling mounted, **P** – on mobile stand

marked with **CE** mark, are electrical devices that conform the essential requirements stated in the following EC – Directives:

- **2014/35/EC (LVD),**
- **2014/30/EC (EMC),**
- **93/42/EEC and 2007/47/EC (some requirements).**

The devices conform the harmonized European standards:

• EN 60601-1	Medical electrical equipment -- Part 1: General requirements for basic safety and essential performance
• EN 60601-1-2	Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral Standard: Electromagnetic disturbances – Requirements and tests
• EN 60598-1	Luminaires – Part 1: General requirements and tests
• EN 61547	Equipment for general lighting purposes - EMC immunity requirements
• EN 60529	Degrees of protection provided by enclosures (IP code)

We declare with full responsibility that the products meet the requirements of the **RoHS directive 2011/65/EU** (including all its changes and amendments). Conformity assessment was carried out according to standard **EN 50581**.

Quality Management System of ULTRA-VIOL certified by TUV Nord meets requirements of:

- **EN ISO 13485:2016 - Medical devices** – Quality management systems – Requirements for regulatory purposes

04 – year of marking with CE mark

on behalf of ULTRA-VIOL Sp. j.



Wiesław Pietras
GENERAL MANAGER

Zgierz, 5th November 2018