

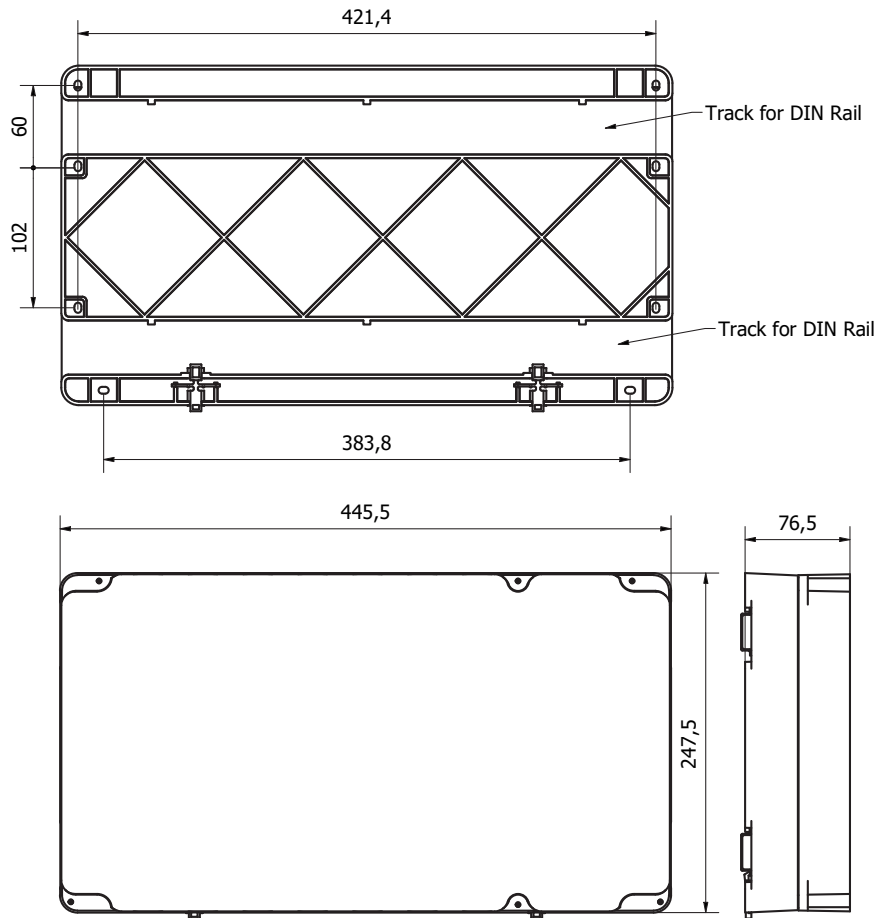


NRG Lex v3.1

SKU: NRGLex-v3.1-HCM

System Control Module v3.1 (Incl. Hybrid Control Module)

POWER SUPPLY RATING	230 V~, 15 mA, 50 HZ / 60 HZ, 1 PHASE
POWER SWITCHING CAPACITY	MUST NOT EXCEED 5 A FOR ALL LOADS
MAIN RELAY RATING	DOUBLE POLE NORMALLY OPEN -DPNO 5 A
BOILER VOLT FREE CONTROL SWITCHES	2
BOILER SUPPLY	2
CLOCK SUPPLY	1
BOILER FROST PROTECTION	1
AUXILIARY INPUTS	4
AUXILIARY OUTPUTS	2 SETS OF DOUBLE POLE CHANGEOVER 5 A
OPERATING TEMPERATURES	0 - 50°C
ENCLOSURE RATING	IP20
MAIN FUSE	6.3 A, 230 V ~ T ANTI-SURGE
BOILER/CLOCK FUSING	3.0 A, 230 V ~ T ANTI-SURGE
ZONE FUSES	4 x 1.0 A, 230 V ~ T ANTI-SURGE
ZONE CALL INDICATORS	4
MAINS SUPPLY INDICATORS	1
BOILER CALL INDICATORS	1
AUXILIARY CALL INDICATORS	1
TRANSIENT SUPPRESSION (VDR X 2)	YES
TERMINALS	0.5 MM ² TO 1.5 MM ²
PCB DIMENSIONS	128 X 298 X 30 MM
ENCLOSURE DIMENSIONS	257 X 450 X 90 MM
MOUNTABLE	DIN RAIL OR SCREWS
PCB WEIGHT	410 G
WEIGHT WITH ENCLOSURE	1770 G



Features:

- The fused power supply protects the system components from damage.
- Four zones with individual fused connections.
- Two individually fused boiler control circuits.
- LED indicators that show the status of zones, boiler calls, and auxiliary operations.
- Auxiliary relay provision with four isolated inputs and two sets of isolated relay contacts (C, NO, NC) for more complex control scenarios.
- A Hybrid Control Module (HCM) can connect directly to the NRG Lex v3.1, allowing for independent control of two heat sources, creating a hybrid system: typically a heat pump and an oil/gas boiler.
- Onboard facility to test relay operations for maintenance and troubleshooting.
- Frost input that can trigger a boiler call when frost protection is required.
- "Push-Open" connections suitable for 0,5 to 1,5 mm² cable sizes.
- Scalability allows multiple NRG Lex units to interconnect within a single heating system.

