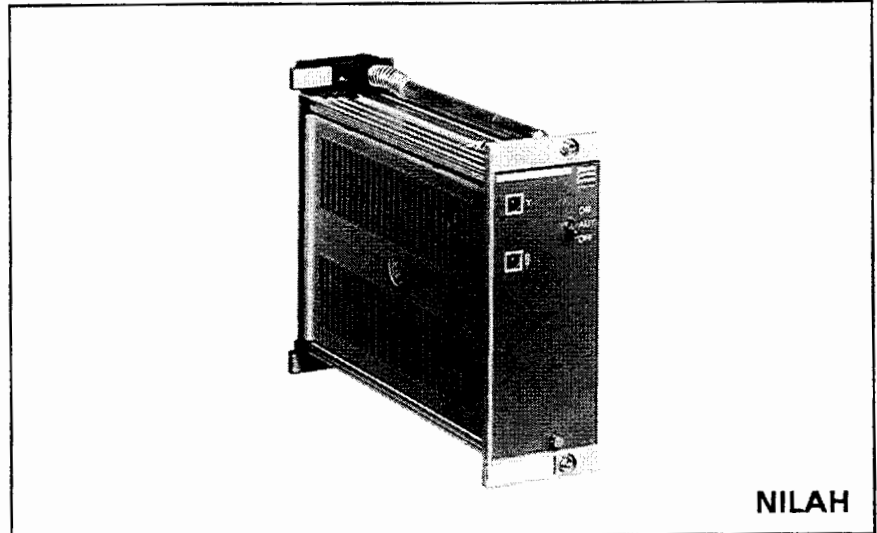


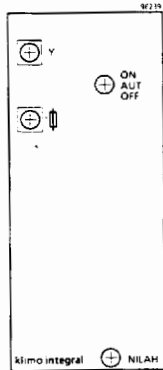
NILAH Output module for phase cut signals 120 W

Application

Proportional power amplifier for the control of large magnetic valves. The NILAH incorporates a manual switch for service purposes.



Indicators / Labelling



Y Modulating output signal (green)

Lamp Off 0 %
Lamp On Gradual change in intensity up to 100 %

Overcurrent trip (yellow)

Lamp On Short circuit

Manual switch

OFF position Output 0 %
On position Output 100 %
AUT position Output signal controlled by input signal

Technical data

Supply voltage

15 VDC / 4 mA intrinsic consumption
24 VAC / max 6 A
(from transformer)

Input signal

0 ... 10 VDC

Output signal

0 ... 20 VDC phase cut

Max. connected load

120 W

Connection

Via terminals on base plate

Overcurrent protection

Built-in

Short-circuit capability

< 5 s

Dimensions

51 x 185 x 133 mm

Weight

Approx. 0.8 kg

Ambient temperature:

- Operation
- Transport and storage

0 ... 45 °C
-25 ... 70 °C

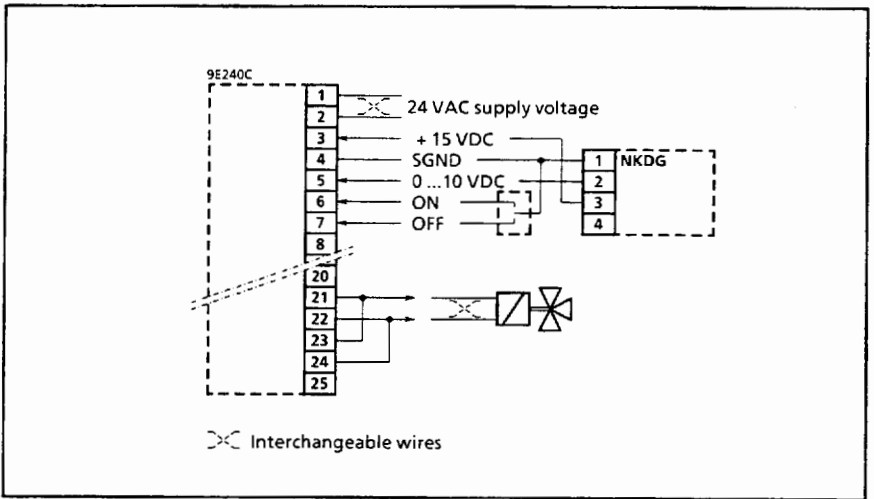
Principles of operation

The 0 ... 10 V control signal from the terminal module is converted in the interface, and transmitted to the magnetic valve as a proportional output signal.

Terminals 4, 6 and 7 may be used for a hard-wired interlock circuit.

The NILAH incorporates a manual switch which has priority over the hard-wired interlock circuit.

Terminal layout on base plate
 (Connection example with NKDG terminal module)



Block diagram

- P Rectifier
- Q Phase cut modulator
- R Control
- S Electronic fuse
- T Manual switch
- W Trip lamp

