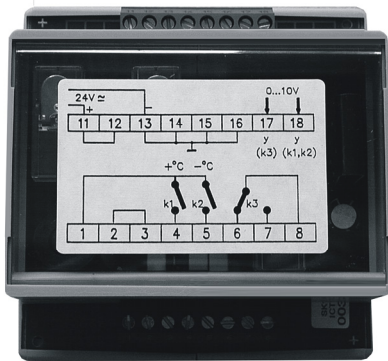


MCD 3

EXTERNAL OUTPUT RELAY MODULE TWO DIGITAL AND ONE FLOATING OUTPUT

HONEYWELL EXCEL 5000 OPEN SYSTEM

PRODUCT DATA



GENERAL

Honeywell's MCD 3 External Output Relay Module features two digital and one floating output.

TECHNICAL DATA

Input Circuit

Nominal voltage / power consumption	24 Vac/DC 13 mA
Nominal voltage tolerance	± 10%
Switch protection	input varistor
Operational display	LED
Energize / de-energize time	10 ms / 5 ms

Output Circuit

Output contact K1, K2	1 normally open relay, SPST
Output contact K3	1 change-over relay, SPDT
Contact material	AgCdO
Switching voltage, max.	240 Vac/DC
Switching current (K1, K2)	1.2 A / 24 VAC, 0.2 A / 240 VAC
Switching current (K3)	2 A / 240 VAC
Breaking capacity, max. (resistive load)	24 Vdc / 150 W 50 Vdc / 25 W 230 Vdc / 50 W 230 Vac / 1500 VA
Minimum switching capacity	24 Vdc / 20 mA
Mechanical loading	2 x 10 ⁷ switching operations
Electrical loading	10 ⁵ switching operations at max. load
Switching frequency, max.	600 switching operations per hour at max. current

General Data

Insulation as per VDE 0110/01.89	rated voltage 250 V overvoltage category III pollution level 3
Test voltage coil / contact	2 kV 50 Hz 1 min.
Protection as per DIN 40050	housing IP 50, terminals IP 20
Permissible ambient temperature	- 20 ... + 55° C
Wire size	2.5 mm ²
Mounting position	optional
Weight	approx. 0.045 kg

Wiring Example when Used with XL50

Relay terminal 17 controls the change-over contact K3.
 Relay terminal 18 controls the ON contacts K1, K2.
 Ground can be looped through terminals 2/3.

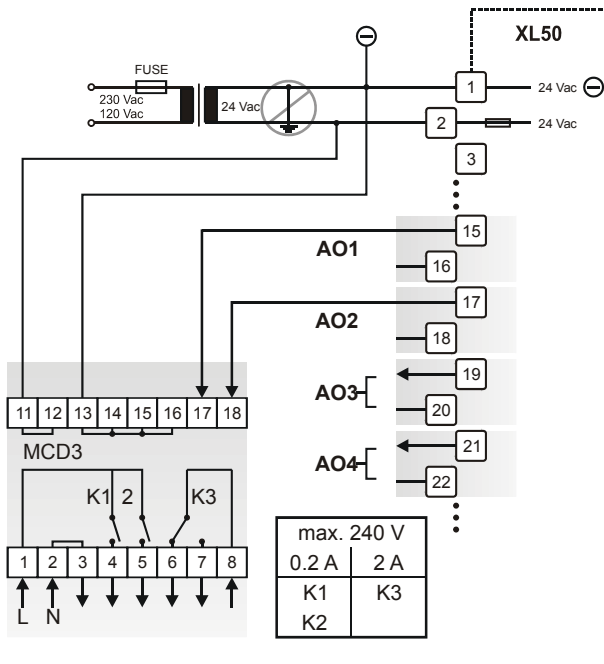


Fig. 1. Wiring example with XL50

Wiring Example when Used with XL100C

The relay modules are supplied via the special relay connection of the controller (terminals 65/66)

IMPORTANT

Important during connection:

1. Correct polarity
2. Under no circumstances may a relay module be connected to the reference voltage.

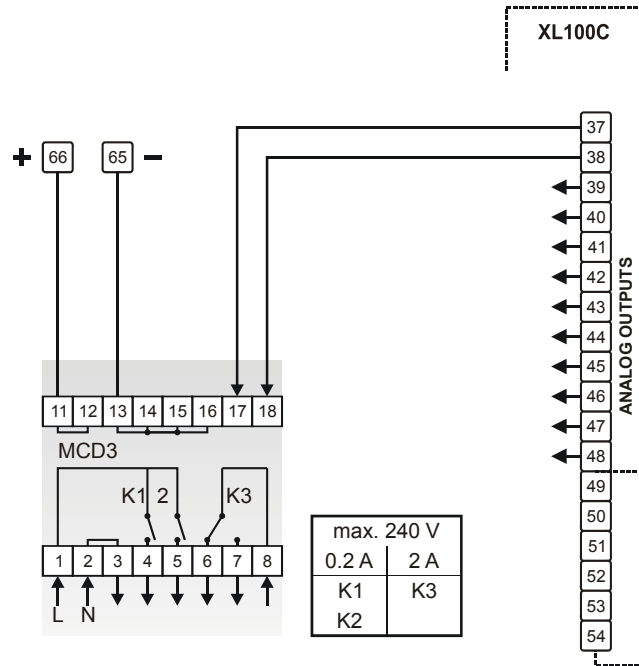


Fig. 2. Wiring example with XL100C

Several relay modules can be connected in series via the bridged terminal pair:

Plus pole: Terminals 11/12 of the relay
 Minus pole: Terminals 13 to 16 of the relay

Terminal 17 controls the changeover contact K3. Terminal 18 controls the ON contacts K1, K2. Ground can be looped through terminals 2/3.



Manufactured for and on behalf of the Environmental and Combustion Controls Division of Honeywell Technologies Sàrl, Rolle, Z.A. La Pièce 16, Switzerland by its Authorized Representative:

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