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DATA SHEET

FCRY 3

Produal

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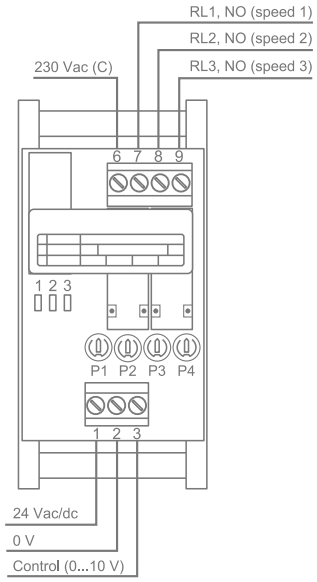
RELAY MODULE FCRY 3

FCRY 3 is a relay module that converts 0...10 Vdc input signal to contact outputs. FCRY 3 can control a fan coil (fan speed), for example.

Relays are interlocked so that only one relay (RL1, RL2 or RL3) can be active at a time. Active relay is indicated by an indicator light (1, 2 or 3).

IMPORTANT: The device must be installed inside a suitable housing that cannot be opened without using tools.

Wiring:



Adjusting the relay set points

1. Set the hysteresis with the trimmer P4.
   NOTE: The hysteresis is common for all relays.
   The P4 default value is 0.5 V.
2. Set the RL3 relay set point with the trimmer P3.
   The P3 default value is 7.5 V.
3. Set the RL2 relay set point with the trimmer P2.
   The P2 default value is 0.71.
   The default set point is calculated as follows:
   RL2 = P2 x (P3 - P4) = 0.71 x (7.5 - 0.5) = 5.0 V.
4. Set the RL1 relay set point with the trimmer P1.
   The P1 default value is 0.56.
   The default set point is calculated as follows:
   RL1= P1 x (RL2 - P4) = 0.56 x (5.0 - 0.5) = 2.5 V.



Technical data

Supply	24 Vac/dc, 1.5 VA
Input	0…10 Vdc, < 0.2 mA
Relay contacts	230 Vac, 8 A res.
Factory settings	
RL1 set point	2.5 V
RL2 set point	5.0 V
RL3 set point	7.5 V
hysteresis	0.5 V
Set point trimmer ranges	
P1 (for RL1)	0.1…1
P2 (for RL2)	0.5…1
P3 (for RL3)	4…10 V
P4 (hysteresis)	0.2…1 V
Housing	IP20, for 35 mm DIN rail
Dimensions (w x h x d)	46 x 48 x 89 mm

Ordering guide:

Model	Product number	Description
FCRY 3	1183070	fan coil relay, 0…10 V control

Products fulfill the requirements of directives 2006/95/EC and 2004/108/EC and are in accordance with the standards EN60730-1, EN61000-6-3 (Emission) and EN61000-6-2 (Immunity).

Information is subject to change without prior notice.