

Finder 72 Series - Priority Change Relay



Features

Special relay for alternating loads, for applications with pumps, compressors, air conditioning or refrigeration units

- · 2 independent NO output, 12 A
- 4 functions
- 2 independent control signals, insulated from supply
- · 110...240 V and 24 V AC/DC supply versions
- · Modular housing, 35 mm wide
- 35 mm rail (EN 60715) mount
- · Cd-free contact material



· Multi-function (MI, ME, M2, M1)

Screw terminal



For outline drawing see page 6

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Contact specification				
Contact configuration			2 NO (2 SPST-NO)	
Rated current / Max. peak current A			12 / 20	
Rated voltage / Max. switching voltage VAC (50/60 Hz)			250 / 400	
Rated load AC1 VA			3,000	
Rated load AC15 VA			1,000	
Single phase motor rating (230 V AC) kW			0.55	
Breaking capacity DC1: 30/110/220 V A			12 / 0.3 / 0.12	
Minimum switching load mW (V/mA)			300 (5 / 5)	
Standard contact material			AgNi	
Supply specification				
Nominal voltage (U $_{ m N}$) V AC (50/60 Hz) / DC			24	110 240
Rated power	in sta	nd-by W	0.12	0.18
with 2 active relays W/VA(50 Hz)			1.1 / 1.7	1.5 / 3.9
Operating range	erating range V AC (50/60 Hz)		16.828.8	90264
-		V DC	16.832	90264
Technical data				
Electrical life at rated load AC1 cycles			100 x 10 ³	
Output delay time (T on function diagrams) s			0.220	
Power-on activation time s			≤ 0.7	
Minimum impulse duration ms		ms	50	
Insulation between supply and contacts (1.2/50 µs) kV			6	
Dielectric strength between open contacts VAC			1,000	
Ambient temperature °C			-20+50	
Protection category			IP20	
Approvals (according to type)			C	E

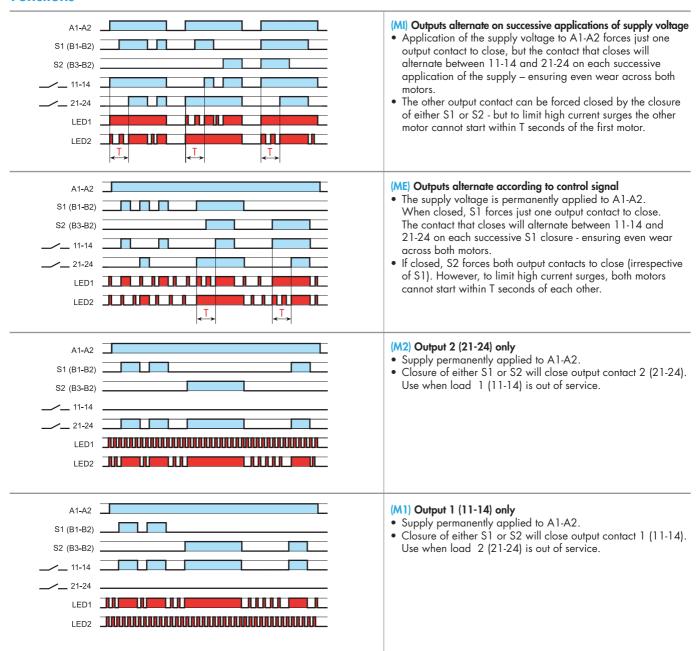
CARREL-ELECTRADE LIMITED

Auckland Tel: 09-525 1753 Fax: 09-525 1756 Christchurch Tel: 03-366 1242 Fax: 03-379 1991 Email: sales@carrel-electrade.co.nz Web: www.carrel-electrade.co.nz



72 Series - Priority change relay 12 A

Functions

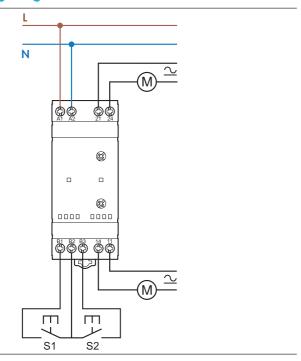


LED indications

	LED	
1 device in stand-by, output not activated		
2 output not activated, timing in progress		
3 output not activated (only functions M1/M2)	шшш	
4 output activated		



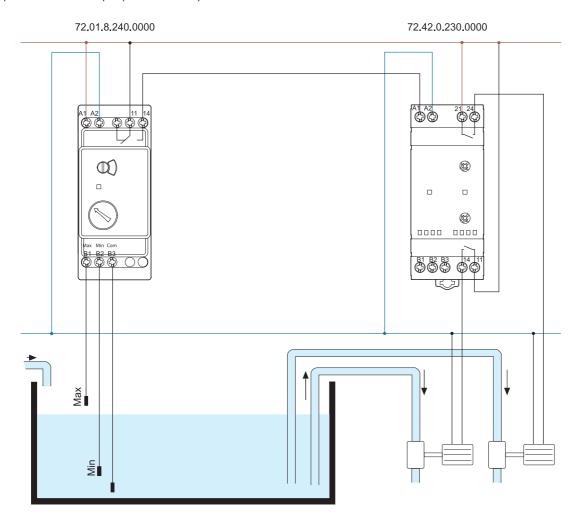
Wiring diagrams



MI function example

This shows the 72.42 Priority change relay working in conjunction with a single 72.01 level controller. Under normal conditions the liquid level is expected to remain within the range shown as Min to Max. In this case the function of the 72.42 will be to alternate the duty between both pumps, to even wear across both pumps.

There is no provision to run both pumps simultaneously.





ME function example

This shows the 72.42 Priority change relay working in conjunction with two 72.01 level controllers. Under normal conditions the to remain within the range shown as Min to Max. In this case the function of the 72.42 will be to alternate the duty between bo wear across both pumps.

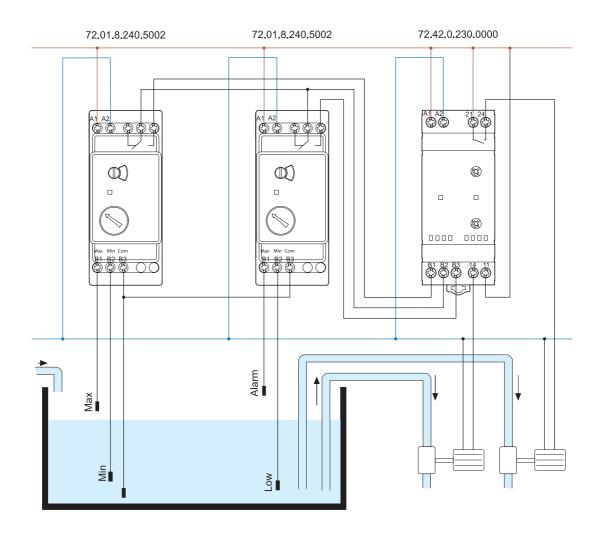
liquid level is expected th pumps, to even

Should the liquid level rise above the Alarm level then the function of the 72.42 will call for the simultaneous operation of b the signal to terminal B3 from the Alarm/Low level controller.

oth pumps, by virtue of

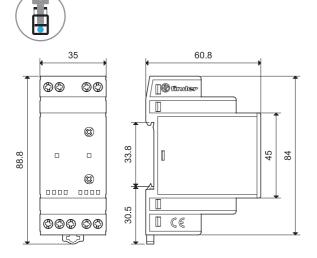
Note: due to the low level of 72.42 control signals, it is suggested to use level controller 72.01.8.240.5002 because of its su switching capability.

perior low load



Outline drawings

72.42 Screw terminal



Accessories

