8-pin and 11-pin relay bases are common in control panels

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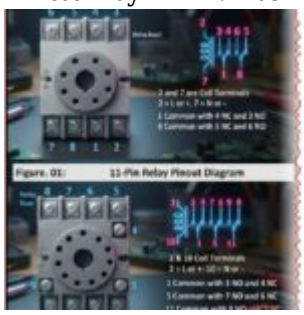

Mbsmpro.com, Relay Base, 8-Pin vs 11-Pin, Pinout, Coil Terminals, COM, NO, NC, Wiring Guide, DPDT, 3PDT, Control Panel, HVAC

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Excerpt (first 55 words):
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Relay base pinouts

An 8-pin “octal” relay base is typically used for a DPDT relay (two changeover contact sets), while an 11-pin base is commonly used for a 3PDT relay (three changeover contact sets).

8-pin relay base (DPDT) — pin functions

Pin	Function
2, 7	Coil (energize the relay)
1	COM for contact set #1
4	NC with COM=1
3	NO with COM=1
8	COM for contact set #2
5	NC with COM=8

Pin	Function
6	NO with COM=8

Quick rule: when the coil is **OFF**, COM touches NC; when the coil is ON, COM switches to NO.

11-pin relay base (3PDT) — pin functions

Pin	Function
2, 10	Coil (energize the relay)
1	COM for contact set #1
4	NC with COM=1
3	NO with COM=1
5	COM for contact set #2
6	NC with COM=5
7	NO with COM=5
11	COM for contact set #3
8	NC with COM=11
9	NO with COM=11

8-pin vs 11-pin (what changes)

Feature	8-pin base	11-pin base
Contact sets	2 changeover sets (COM/NC/NO x2)	3 changeover sets (COM/NC/NO x3)
Coil terminals	2 and 7	2 and 10
Best for	Simple switching, holding/latching circuits	Interlocking + multiple permissives/feedback contacts

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Wiring scenarios

Scenario A: Holding (latching) circuit with an 8-pin relay

A common use of an 8-pin relay is a holding/latching circuit where one NO contact “seals in” the coil after a momentary START signal.

Copy-ready steps:

- Feed the coil on pins 2 and 7, then use one NO contact (COM=1 to NO=3) as the holding path.

Scenario B: Interlocking with an 11-pin relay

An 11-pin relay’s three contact sets are often used to create electrical interlocking and holding logic (example: forward/reverse or lead/lag lockout) while keeping extra contacts for status/alarms.

Copy-ready steps:

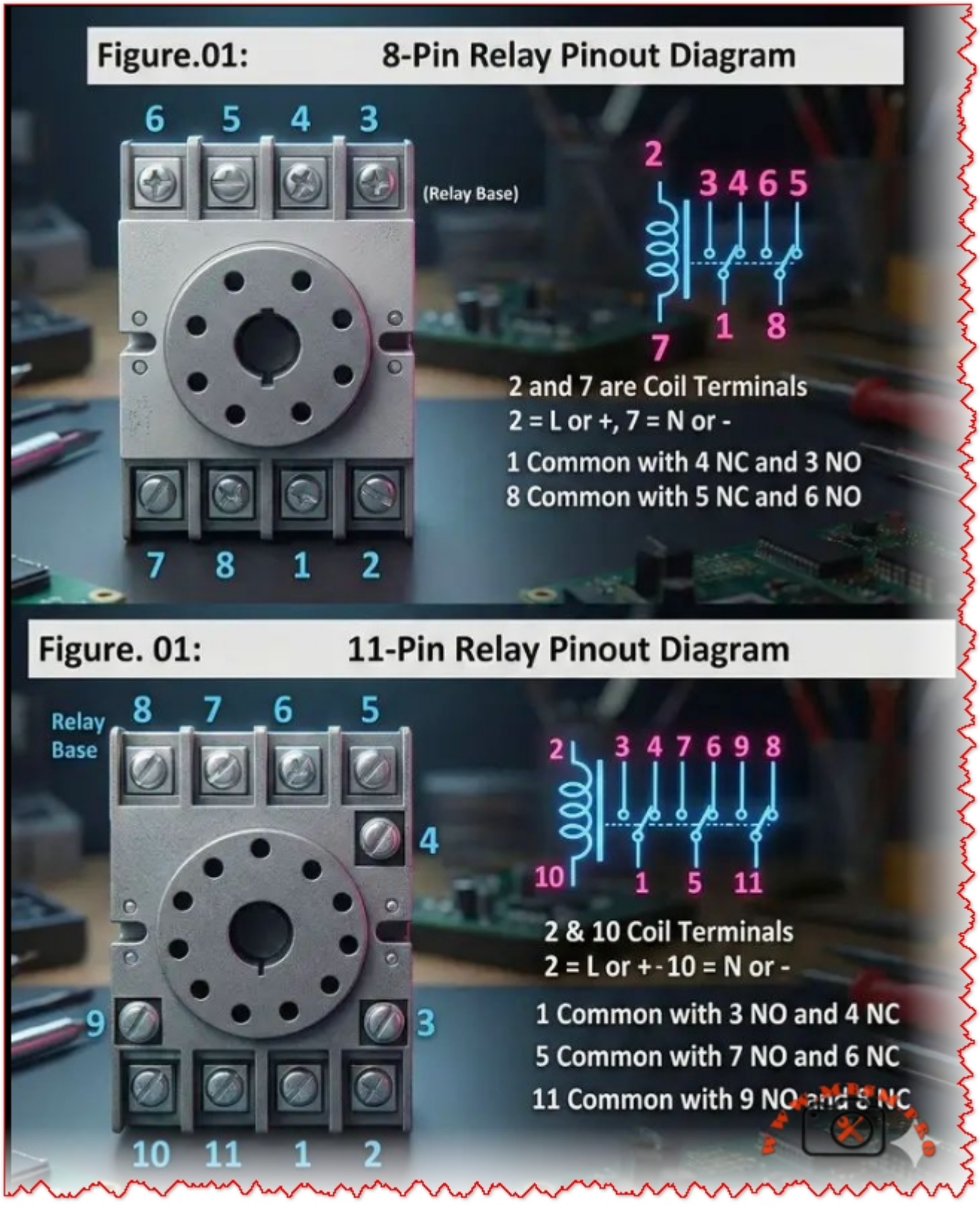
- Power the coil on pins 2 and 10, then assign one contact set for the hold path, one for interlock permissive, and one for feedback (COM/NC/NO groups shown in the table above).

Troubleshooting

If a relay “never pulls in,” confirm the coil pins first (8-pin: 2 & 7; 11-pin: 2 & 10) and verify the correct control voltage is actually reaching the coil.

If outputs look “reversed,” it’s usually because COM and NO/NC were swapped; one practical reference notes that pins 2 and 7 are coil pins on an 8-pin relay and explains which pins behave as open vs closed contacts.

When base numbering is confusing, use a multimeter continuity test: find COM, then check which terminal is continuous with COM when the coil is off (NC) and when energized (NO).



Yoast SEO package

Focus keyphrase (≤191 chars):
8 pin relay base pinout and 11 pin relay base pinout wiring (coil, COM, NO, NC)

Related keyphrases to target (search intent):

- 8 pin relay socket wiring

- octal relay base pinout
- DPDT relay base terminals 2 7
- 11 pin relay socket pin diagram
- 3PDT relay base wiring
- relay COM NO NC meaning
- relay interlocking wiring diagram
- relay holding (seal-in) circuit wiring

SEO title (Yoast):
8-Pin vs 11-Pin Relay Base Pinout (Coil, COM, NO, NC) | Mbsmpro

Meta description (Yoast):
Learn the 8-pin and 11-pin relay base pinout fast: coil terminals, COM/NO/NC contacts, DPDT vs 3PDT differences, and wiring tips for holding and interlocking control circuits.

Slug:
8-pin-vs-11-pin-relay-base-pinout

Tags (comma separated):
Mbsmgroup, Mbsm.pro, mbsmpro.com, mbsm, relay base, relay socket, 8 pin relay, 11 pin relay, octal relay, DPDT relay, 3PDT relay, COM NO NC, control panel wiring, HVAC controls, interlocking circuit, holding circuit

On-page SEO note: strong page titles improve click-through and relevance, so keep the main keyphrase near the start of the title and make it specific to the exact pinout problem being solved.
