

PHASE FAILURE & SEQUENCE RELAYS

**TYPES: MOD-P-1 (3 wire spco) & MOD-PN-1 (4 wire spco)
MOD-P-2 (3 wire dpco) & MOD-PN-2 (4 wire dpco)**

FEATURES

- Din rail mounted
- Modern modular design
- Width 27mm (1.5 modules)
- SPCO & DPCO versions
- Available 3 wire or 4 wire
- Self powered
- Transformer technology
- Dual LED indication
- CE marked

DESCRIPTION & MODE OF OPERATION

An attractive modern designed range of combined phase failure and sequence relays in a din rail mounted modular style housing of 1.5 modules width (27mm). **Utilising transformer technology** the units are available in either 3 wire or 4 wire versions, the 4 wire version also trips on loss of the Neutral. Both types are available with either a SPCO or DPCO output. On power up with all three phases present (plus the Neutral if applicable) and in the correct sequence the output relay/s will energise, the green and red LED's also illuminate. On loss of a phase, (or Neutral 4 wire versions), drop in voltage below Umin levels, or incorrect phase sequencing the output relay/s after a fixed time delay of 0.5secs will drop out and the red LED will be extinguished. A green supply on LED only illuminated means that there is a supply to the unit but there is a supply fault of phase loss, under volts, or sequence. All terminal details and information along with the CE mark is clearly marked on the sides of the housing.

SPECIFICATIONS

Supply & Measuring

Nominal supply:	400V L-L (3wire) 230V L-N (4 wire)
Nominal Umin (fixed):	80% on all 3 phases 60% on 1 phase drop
Delay on tripping:	0.5sec fixed
Max power consumption:	< 3VA
Insulation:	2.5KV 50Hz impulse

Relay outputs:

Output contacts:	SPCO 16Amps/250V AC1 DPCO 8Amps/250V AC1
Max breaking capacity:	SPCO 4000VA DPCO 2000VA
Mechanical life:	30 Million ops
Electrical life:	200K ops at max rated load

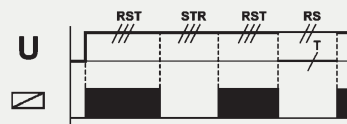
General:

Operating temperature:	-20°C to +60°C
Storage temperature:	-20°C to +60°C
Max cable size:	2.5mm
CE marked	Yes
In accordance with:	EN61000-6-3: 2007 EN61010-1: 2002
Housing material	Thermo plastic ABS (DIN7728), auto extinguishable according to UL90V0

On request the units can be supplied without sequence monitoring by inserting (-S) after the part number ie, MOD-P-2(-S)

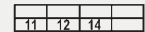
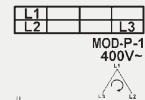
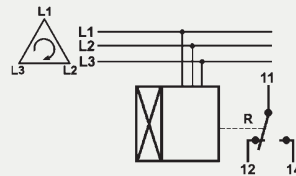


FUNCTION

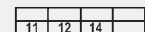
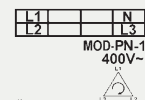
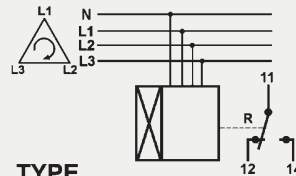


CONNECTIONS

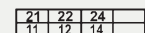
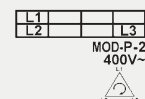
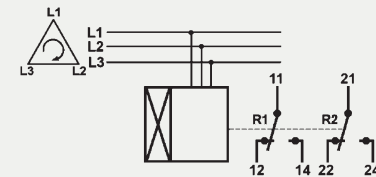
TYPE MOD-P-1 400V~



TYPE MOD-PN-1 400V~



TYPE MOD-P-2 400V~



TYPE MOD-PN-2 400V~

